

Appendix A
Public Notification that a potential event was occurring
(40 CFR §50.14(c)(1))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

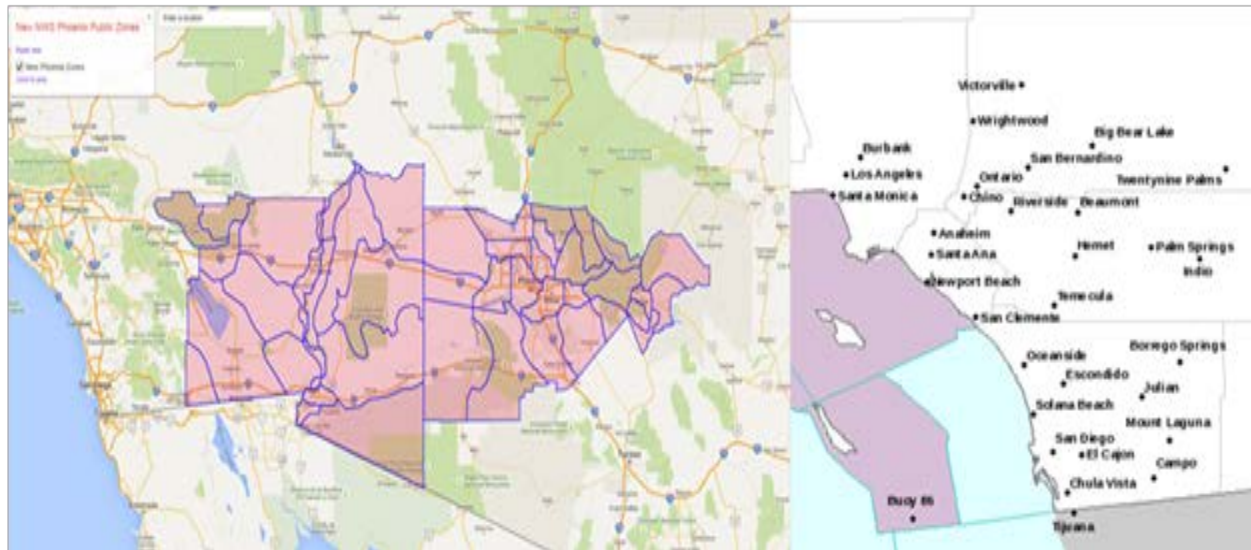


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

The Appendix A Supplemental contains all the pertinent National Weather Service notices issued by either the San Diego or Phoenix office in date and time order.

FIGURE A-2 ADVISORY POSTED BY ICAPCD

WEATHER

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public.

BE ADVISED

High wind levels have the potential to suspend particulate matter into the air. High levels of PM₁₀ may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.

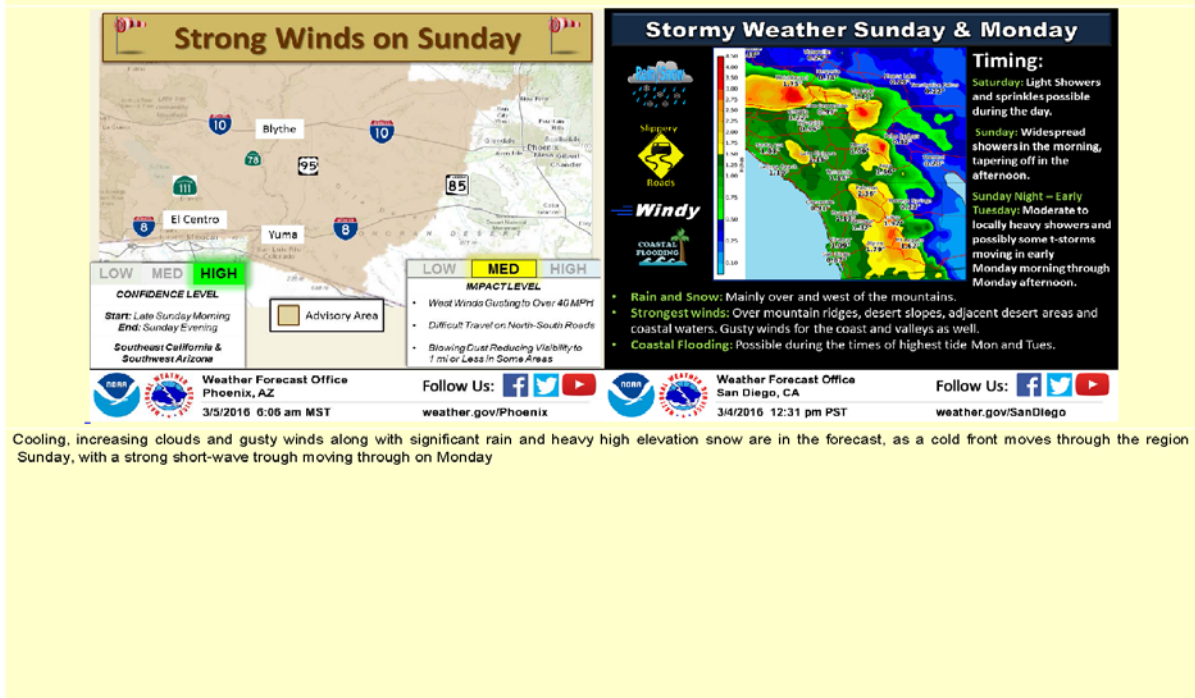
**Potential increases in PM₁₀ concentrations
may increase to moderate or unhealthy level.**

National Weather Service Area Discussions

March 5 through March 7, 2016

NWS Phoenix and San Diego Office

Strong winds will develop Sunday morning, blowing from the west, and continue into Sunday evening. This will make for difficult travel conditions on north-south roads due to crosswinds and on all roads due to periods of blowing dust. Caution is urged if traveling through the advised area.



<http://www.co.imperial.ca.us/AirPollution/Web%20Pages/Weather.htm>[3/5/2016 11:49:35 AM]

Fig A-2: The Imperial County Air Pollution Control District posted on its webpage these advisory notices to inform the public about the impending high winds that could create elevated levels of PM₁₀

FIGURE A-3 WIND ADVISORY FOR IMPERIAL COUNTY

5/11/2017

IEM :: NPW from NWS PSR

National Weather Service Raw Text Product

Displaying AFOS PIL: **NPWPSR** Received: 2016-03-06 03:51 UTC

◀ Previous in Time

View All KPSR Products for 06 Mar 2016

Next in Time →

Latest Product

View As Image

r

365

MAUS75 KPSR 060351

NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
851 PM MST SAT MAR 5 2016

...GUSTY WINDS SUNDAY AFTERNOON AND EVENING FOR SOUTHEAST
CALIFORNIA AND SOUTHWEST ARIZONA...

AZZ020-021-025-026-CAZ030-033-061200-
/O.CON.KPSR.WI.Y.0002.160306T1900Z-160307T0400Z/
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...
QUARTZSITE...SALOME...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
YUMA...DATELAND...TACNA...WELLTON...COTTONWOOD VISITOR CENTER...
KEYS VIEW...LOST HORSE...BLYTHE...CHIRIACO SUMMIT...
DESERT CENTER...EAGLE MOUNTAIN...BRAMLEY...CALEXICO...EL CENTRO...
GLAMIS...IMPERIAL...THE SALTON SEA
851 PM MST SAT MAR 5 2016 /751 PM PST SAT MAR 5 2016/

...WIND ADVISORY REMAINS IN EFFECT FROM NOON MST /11 AM PST/ TO
9 PM MST /8 PM PST/ SUNDAY...

* AFFECTED AREA...SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA...
INCLUDING YUMA...THE IMPERIAL VALLEY...INTERSTATE 8 EAST OF
THE COASTAL CALIFORNIA MOUNTAINS... AND INTERSTATE 10 FROM
NEAR QUARTZSITE WESTWARD TOWARD THE COACHELLA VALLEY.

* TIMING...LATE SUNDAY MORNING INTO EARLY SUNDAY EVENING.

* WINDS...SUSTAINED WEST WINDS OF 20 TO 30 MPH WITH GUSTS OVER
40 MPH.

* IMPACTS...DIFFICULT TRAVEL CONDITIONS DUE TO STRONG CROSSWINDS
ALONG NORTH-SOUTH ORIENTED ROADWAYS INCLUDING HIGHWAY 95 IN
SOUTHWEST ARIZONA AND HIGHWAYS 78 AND 86 IN SOUTHEAST
CALIFORNIA. BLOWING DUST WILL ALSO REDUCE VISIBILITY AT TIMES
TO BELOW ONE MILE...ESPECIALLY ACROSS IMPERIAL COUNTY IN
SOUTHEAST CALIFORNIA AND YUMA COUNTY IN SOUTHWEST ARIZONA
IMPACTING TRAVEL ON INTERSTATE 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201603060351>

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Fig A-3: By 7:51 p.m. on March 5, 2016, a Wind Advisory was in place for Imperial County in anticipation of the high winds expected from the approaching weather system. Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201603060351>

FIGURE A-4

URGENT WEATHER MESSAGE SAN DIEGO CO MARCH 6, 2016 – Pg1

5/11/2017

IEM :: NPW from NWS SGX

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766
MWS76 KSGX 061102
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
302 AM PST SUN MAR 6 2016

...STRONG GUSTY WEST WINDS FOR THE MOUNTAINS AND DESERTS THROUGH
LATE TONIGHT AND NEAR THE ORANGE COUNTY COAST THIS AFTERNOON...

.A PACIFIC LOW PRESSURE SYSTEM WILL MAINTAIN STRONGER ONSHORE FLOW
AS IT MOVES INLAND THROUGH CALIFORNIA WITH PERIODS OF STRONG AND
GUSTY SOUTHWEST TO WEST WINDS IN THE MOUNTAINS AND DESERTS
THROUGH LATE TONIGHT. THERE WILL ALSO BE A PERIOD OF GUSTY WEST TO
NORTHWEST WINDS NEAR THE ORANGE COUNTY COAST BEHIND THE COLD FRONT
FOR LATE THIS MORNING THROUGH THIS AFTERNOON.

CAZ552-062230-
/O.EBX.KSGX.WI.Y.0013.160306T1800Z-160307T0200Z/
ORANGE COUNTY COASTAL AREAS-
302 AM PST SUN MAR 6 2016

...WIND ADVISORY IN EFFECT FROM 10 AM THIS MORNING TO 6 PM PST
THIS EVENING...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 10 AM THIS MORNING TO 6 PM PST
THIS EVENING.

* WINDS...AREAS OF WEST TO NORTHWEST WINDS 15 TO 25 MPH WITH GUSTS
TO 35 MPH.

* LOCATION...COASTAL AREAS WITH STRONGEST WINDS NEAR THE BEACHES.

* TIMING...WINDS INCREASING BEHIND THE COLD FRONT LATE THIS
MORNING WITH STRONGEST WINDS THROUGH THIS AFTERNOON. WINDS WILL
SUBSIDE EARLY THIS EVENING.

* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR PALM FRONDS AND
BROKEN TREE LIMBS.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH
PROFILE VEHICLES. USE EXTRA CAUTION.

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CAZ055-056-058-060>062-065-062230-
/O.CON.KSGX.WI.Y.0013.000000T0000Z-160307T1100Z/
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-
SAN GORGONIO PASS NEAR BANNING-
302 AM PST SUN MAR 6 2016

...WIND ADVISORY REMAINS IN EFFECT UNTIL 3 AM PST MONDAY...

* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 25 TO 35 MPH WITH
GUSTS TO 55 MPH. ISOLATED GUSTS TO 70 MPH. STRONGEST WIND
GUSTS WILL BE ALONG THE DESERT SLOPES AND NEAR THE FOOTHILLS.

* LOCATION...NEAR MOUNTAIN RIDGETOPS...ALONG DESERT MOUNTAIN
SLOPES...INTO ADJACENT DESERT AREAS.

* TIMING...WINDS STRENGTHENING BEHIND THE COLD FRONT LATE THIS
MORNING AND THIS AFTERNOON...WITH THE STRONGEST WINDS THROUGH
LATE THIS EVENING.

* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY
FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN
TREE LIMBS. IN THE DESERTS...AREAS OF BLOWING DUST AND SAND
COULD LOCALLY REDUCE VISIBILITY.

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<https://mesonet.agron.iastate.edu/wx/afos/p.php?pi=NPWSGX&e=201603061102>

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FIGURE A-4
URGENT WEATHER MESSAGE SAN DIEGO CO MARCH 6, 2016 – Pg2

Fig A-4: San Diego NWS office issued an Urgent Weather Message at 3:02 am on March 6, 2016 for the San Diego County Mountains and Deserts. Iowa State University, Iowa Environmental Mesonet:

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201603061102>

FIGURE A-5 AREA FORECAST DISCUSSION SAN DIEGO CO MARCH 6, 2016 – Pg1

5/11/2017

IEM :: AFD from NWS SGX

7
721
FXUS66 KSGX 061129
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
329 AM PST SUN MAR 6 2016

.SYNOPSIS...

A PACIFIC LOW PRESSURE SYSTEM WILL MOVE INLAND ACROSS CALIFORNIA TODAY BRINGING STRONG GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS...WITH RAIN THIS MORNING...AND DECREASING SHOWERS NEAR THE MOUNTAINS FOR THIS AFTERNOON AND EVENING. A SECOND COLDER PACIFIC STORM WILL BRING MORE COOLING WITH SHOWERS AND A CHANCE OF THUNDERSTORMS FOR MONDAY...DECREASING MONDAY NIGHT. THIS PAIR OF STORMS WILL ALSO BRING HIGH SURF TO THE BEACHES THROUGH TUESDAY. THERE WILL BE STRONG GUSTY NORTH WINDS FOR TUESDAY BELOW THE CAJON PASS AND IN THE SANTA MOUNTAINS AND FOOTHILLS. DRY AND WARMER FOR WEDNESDAY AND THURSDAY. COOLING FOR FRIDAY AND SATURDAY WITH A CHANCE OF PRECIPITATION ON FRIDAY NIGHT AND SATURDAY.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH TUESDAY)...

ONLY MINOR ADJUSTMENTS TO THE FORECAST THROUGH MONDAY. A PACIFIC LOW PRESSURE SYSTEM WILL MOVE INLAND THROUGH CALIFORNIA BRINGING STRONG GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS...WITH RAIN THIS MORNING...AND DECREASING SHOWERS NEAR THE MOUNTAINS FOR THIS AFTERNOON AND EVENING. WINDS ARE EXPECTED TO BE STRONGEST BEHIND THE COLD FRONT FOR THIS AFTERNOON AND EVENING. CONDITIONS MOST FAVORABLE FOR HEAVIER PRECIPITATION HAVE ALREADY PEAKED AND WILL CONTINUE TO WEAKEN THIS MORNING AS THE COLD FRONT MOVES ACROSS FAR SOUTHERN CALIFORNIA.

THROUGH TONIGHT...RAINFALL FOR ORANGE AND SOUTHWESTERN SAN BERNARDINO COUNTIES IS EXPECTED TO RANGE FROM AROUND ONE THIRD INCH NEAR THE COAST...TO 1 TO 1.5 INCHES IN THE MOUNTAINS...WITH AMOUNTS IN SAN DIEGO AND RIVERSIDE COUNTIES RANGING FROM ONE QUARTER INCH NEAR THE COAST TO ONE HALF TO ONE INCH IN THE MOUNTAINS WITH MOSTLY ONE TENTH OR LESS IN THE DESERTS.

A SECOND COLDER LOW PRESSURE SYSTEM WILL MOVE SOUTHEASTWARD ACROSS FAR SOUTHERN CALIFORNIA MONDAY BRINGING SHOWERS AND A CHANCE OF THUNDERSTORMS. THE MAIN PERIOD OF PRECIPITATION IS EXPECTED FOR LATE MORNING THROUGH THE AFTERNOON. THE SHOWERS WILL DECREASE MONDAY NIGHT.

FOR MONDAY AND MONDAY NIGHT...RAINFALL IS EXPECTED TO RANGE FROM AROUND ONE HALF INCH NEAR THE COAST TO AROUND ONE INCH IN THE MOUNTAINS...WITH AROUND ONE THIRD INCH IN THE UPPER DESERTS AND ONE TENTH INCH OR LESS IN THE LOWER DESERTS. DUE TO THE CONVECTIVE NATURE OF THE PRECIPITATION...AMOUNTS WILL BE MORE VARIABLE THAN FOR TODAY.

THE SNOW LEVEL WILL LOWER FROM ABOVE 8000 FEET...TO AROUND 6500 FEET THIS AFTERNOON...6000 FEET LATE TONIGHT...4500 TO 5000 FEET MONDAY...AND 4000 TO 4500 FEET MONDAY NIGHT. A FEW INCHES OF SNOW IS POSSIBLE ABOVE 7500 TO 8000 FEET THROUGH TONIGHT. FOR MONDAY AND MONDAY NIGHT...SNOWFALL OF 4 TO 8 INCHES IS POSSIBLE...MOSTLY ABOVE 5500 FEET.

FOR LATE MONDAY MORNING INTO EARLY MONDAY AFTERNOON...THE HIGHER RESOLUTION MODELS CONTINUE TO SHOW A BRIEF PERIOD OF TIME WHERE GREATER INSTABILITY...A SURFACE CONVERGENCE BOUNDARY...AND SUFFICIENT LOW LEVEL SHEAR EXIST OVER THE INNER COASTAL WATERS INTO THE ADJACENT COASTAL AREAS FOR THE DEVELOPMENT OF WATERSPOUTS AND ISOLATED TORNADES.

FOR LATE MONDAY NIGHT INTO TUESDAY...STRONG NORTH WINDS ALOFT BEHIND THE DEPARTING LOW PRESSURE SYSTEM WILL BRING GUSTY NORTH WINDS...STRONGEST ALONG THE COASTAL SLOPES OF THE SAN BERNARDINO COUNTY MOUNTAINS AND BELOW THE CAJON PASS...AND NEAR AND ALONG THE COASTAL SLOPES OF THE SANTA ANA MOUNTAINS. HIGH TEMPERATURES WILL WARM TO NEAR AVERAGE ON TUESDAY FOLLOWING HIGH TEMPERATURES OF 10 TO 15 DEGREES BELOW AVERAGE ON MONDAY.

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201603061129>

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FIGURE A-5 AREA FORECAST DISCUSSION SAN DIEGO CO MARCH 6, 2016 – Pg2

5/11/2017

IEM :: AFD from NWS SGX

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.LONG TERM (WEDNESDAY THROUGH SATURDAY)...
WARMER AND DRY FOR WEDNESDAY AND THURSDAY WITH HIGH PRESSURE ALOFT. HIGH TEMPERATURES WILL WARM TO NEAR TO SLIGHTLY ABOVE AVERAGE ON WEDNESDAY AND AROUND 10 DEGREES ABOVE AVERAGE ON THURSDAY.

FOR LATE IN THE WEEK...THE FORECAST CONTINUES TO FAVOR THE MORE CONSISTENT ECMF WITH A LOW PRESSURE SYSTEM THAT WOULD BRING A PERIOD OF MAINLY LIGHTER PRECIPITATION WITH THE MAIN PERIOD OF PRECIPITATION LATE FRIDAY NIGHT INTO SATURDAY MORNING. THE ECMF TIMING CONTINUES TO BE SUPPORTED BY THE GFS ENSEMBLE MEAN AND IS NOW SUPPORTED BY THE CANADIAN MODEL. THE GFS REMAINS MORE AMPLIFIED THAN THE OTHER MODEL SOLUTIONS WITH FASTER TIMING FOR THE 00Z RUN AND TIMING SIMILAR TO THE OTHER MODELS FOR THE 06Z RUN.

&&

.AVIATION...
061030Z...COAST/VALLEYS...SHOWERS SPREADING SOUTHEAST OVER THE AREA THROUGH 18Z. CLOUD BASES MAINLY 1500-2500 FT MSL...LOCALLY LOWERING TO AROUND 700-1000 FT MSL WITH VIS 2-4SM IN HEAVIER SHOWERS. SHOWERS TAPERING OFF FROM NORTHWEST TO SOUTHEAST BETWEEN 19-21Z AND CLOUDS BECOMING SCT-LOCALLY BKN 2500-3500 FT MSL. BKN-OVC CLOUDS WITH BASES AROUND 2500 FT MSL REDEVELOPING MONDAY MORNING AHEAD OF THE NEXT COLD FRONT.

MOUNTAINS/DESERTS...COASTAL MTN SLOPES OBSCURED IN CLOUDS/FOG AND SHOWERS THROUGH ABOUT 22Z. SHOWERS ENDING THIS AFTERNOON...THOUGH SOME COASTAL SLOPES MAY REMAIN PARTIALLY OBSCURED IN CLOUDS AND FOG. ISOLATED LIGHT SHOWERS POSSIBLE IN THE HIGH DESERT 15-20Z. OTHERWISE SCT-BKN CLOUDS AOA 8000 FT MSL.

WEST WINDS INCREASING THIS AFTERNOON WITH SFC GUSTS 35-50 KT OVER THE RIDGES AND ADJACENT DESERT SLOPES THROUGH ABOUT 07/03Z...SLOWLY WEAKENING TONIGHT. ASSOCIATED SIG-SVR WODFS...LLWS...AND ROTORS ARE POSSIBLE OVER AND EAST THE MTNS TONIGHT AND SUNDAY.

&&

.MARINE...
AT 245 AM...A LARGE...MODERATE PERIOD WEST SWELL WILL BUILD OVER THE COASTAL WATERS BEGINNING THIS EVENING...PEAKING LATE MONDAY INTO TUESDAY AT 14-18 FT. COMBINED SEAS OF OVER 10 FT LIKELY THIS EVENING THROUGH TUESDAY NIGHT.

A SMALL CRAFT ADVISORY WILL GO INTO EFFECT AT 8 AM FOR NORTHWEST WINDS OF 20-25 KT. WINDS INCREASING TO 30-35 KT MONDAY EVENING...THEN WEAKENING DURING THE DAY TUESDAY. WINDS AND SEAS WILL CONTINUE TO DIMINISH WEDNESDAY. FOR MORE DETAILS SEE THE LAXNMMSGX.

SHOWERS WILL CONTINUE THROUGH LATE THIS MORNING...THEN HEAVIER SHOWERS AND THUNDERSTORMS ARE POSSIBLE MONDAY MORNING AND AFTERNOON. SEE THE MARINE WEATHER STATEMENT...LAXNMMSGX...FOR MORE INFORMATION.

&&

.BEACHES...
250 AM...A HIGH SURF ADVISORY IS IN EFFECT THROUGH NOON MONDAY...AND A HIGH SURF WARNING WILL BE IN EFFECT FROM NOON MONDAY THROUGH 4 PM TUESDAY. A 6-9 FT WEST SWELL FROM 280 DEGREES WILL GENERATE 4-7 FT SURF WITH LOCAL SETS TO 8 FT TODAY. MONDAY THROUGH TUESDAY...A 12 TO 18 FT SWELL FROM 285 DEGREES WITH A PERIOD OF 13-15 SEC WILL GENERATE SURF OF 8-15 FT LATE MONDAY AND TUESDAY. SWELL AND SURF WILL BEGIN TO LOWER LATE TUESDAY.

A COASTAL FLOOD ADVISORY WILL BE IN EFFECT FROM 6 AM MONDAY THROUGH NOON TUESDAY DUE TO THE COMBINATION OF VERY LARGE SURF...GUSTY WINDS...AND HIGH TIDES NEAR 6 FEET MONDAY AND TUESDAY. THE GREATEST THREAT WILL BE DURING TIMES OF HIGH TIDE.

FOR MORE DETAILS...SEE THE HIGH SURF WARNING AND THE COASTAL FLOOD ADVISORY (LAXCFMSGX)...AND THE SURF FORECAST (LAXSRFSGX).

&&

.SKYWARN...
SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201603061129>

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FIGURE A-5

AREA FORECAST DISCUSSION SAN DIEGO CO MARCH 6, 2016 – Pg3

5/11/2017

IEM :: AFD from NWS SGX

ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX MATCHES/WARNINGS/ADVISORIES...

CA...WIND ADVISORY UNTIL 3 AM PST MONDAY FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

HIGH SURF ADVISORY UNTIL NOON PST MONDAY FOR ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS.

COASTAL FLOOD ADVISORY FROM 6 AM MONDAY TO NOON PST TUESDAY FOR ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS.

HIGH SURF WARNING FROM NOON MONDAY TO 4 PM PST TUESDAY FOR ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS.

WIND ADVISORY FROM 10 AM THIS MORNING TO 6 PM PST THIS EVENING FOR ORANGE COUNTY COASTAL AREAS.




PZ...SMALL CRAFT ADVISORY FROM 8 AM THIS MORNING TO 10 PM PST TUESDAY FOR COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT TO 30 NM-WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

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PUBLIC...17

AVIATION/MARINE/BEACHES...SS

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Fig A-5: San Diego NWS office issued an Area Forecast Discussion at 3:29 am on March 6, 2016 for the San Diego County Mountains and Deserts. Iowa State University, Iowa Environmental Mesonet:

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201603061129>

FIGURE A-6

AREA FORECAST DISCUSSION PHOENIX AZ MARCH 6, 2016 – Pg1

5/11/2017

IEM :: AFD from NWS PSR

↑
263
FXUS65 KPSR 061030
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
330 AM MST SUN MAR 6 2016

.SYNOPSIS...

A COUPLE OF WEATHER SYSTEMS MOVE THROUGH THE DESERT SOUTHWEST TODAY THROUGH TUESDAY. THE MAIN IMPACT FOR SOUTHERN ARIZONA AND SOUTHEAST CALIFORNIA WILL BE MUCH COOLER TEMPERATURES AND WINDY CONDITIONS...ESPECIALLY TODAY. PRECIPITATION...IF ANY...WILL BE QUITE MODEST. A WARMING TREND CAN BE EXPECTED WEDNESDAY AND THURSDAY WITH COOLER TEMPERATURES SATURDAY.

&&

.DISCUSSION...

TODAY THROUGH TUESDAY...

A STRONG PACIFIC LOW PRESSURE SYSTEM IS MOVING INLAND EARLY THIS MORNING AND DISPLACING THE RIDGE EASTWARD. THE JET ON THE SOUTH SIDE OF THE SYSTEM IS NOSING INTO SOUTHERN CALIFORNIA AND NORTHERN BAJA. THE RIDGE IS CAUSING A SPLIT IN THE FLOW WITH A LOT DIFFLUENCE OVER CALIFORNIA. AS OF THIS WRITING...THE LEADING EDGE OF THE FRONTAL ZONE WAS OVER THE SOUTHERN SIERRA NEVADA MOUNTAINS EXTENDING SOUTHWESTWARD THROUGH THE L.A. BASIN AND CONTINUING OFFSHORE. AHEAD OF THE MAIN SYSTEM IS A SHORT WAVE TRACKING ACROSS ARIZONA. THIS FEATURE COMBINED WITH THE ADVANCE OF THE MAIN SYSTEM HAS PRODUCED A LOT OF MID AND HIGH CLOUDINESS WHICH HAS KEPT OVERNIGHT TEMPERATURES FROM DROPPING OFF AS MUCH AS THEY WOULD OTHERWISE. THERE ARE EVEN SOME VERY MEAK SHOWERS/SPRINKLES EMBEDDED IN THOSE CLOUDS TRACKING ACROSS LA PAZ...NORTHERN MARICOPA...GILA COUNTY...AND POINTS NORTH. THERE HAS ALSO BEEN WINDY CONDITIONS OVER PORTIONS OF SOUTHEAST CALIFORNIA WHICH HAS KEPT MIXING GOING. AS A SIDE NOTE...THOSE WINDS HAVE ADVERTED HIGHER DEW POINTS INTO WESTERN PORTIONS OF OUR FORECAST AREA.

MODELS HAVE BEEN PRETTY CONSISTENT SHOWING THIS SYSTEM WEAKENING AS IT MOVES INLAND AND THE BEST QG FORCING TRACKING JUST NORTH OF OUR AREA. THERE IS ALSO RAIN SHADOWING OF THE FRONTAL BAND TO CONTEND WITH WHICH WILL PUT A DENT IN MOISTURE AVAILABILITY AS THE FRONT TRACKS ACROSS THE FORECAST AREA TODAY. THUS...KEPT POPS MODEST TODAY/TONIGHT. SREF DEPICTS A TINY BIT OF CAPE BRUSHING OUR AREA THIS AFTERNOON BUT NOT ENOUGH TO MERIT MENTION OF T-STORMS. WINDS AND COOLER TEMPERATURES...MOST NOTICEABLY FOR SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA...WILL BE THE MAIN EFFECTS FOR US. WINDS LOOK TO BE JUST STRONG ENOUGH FOR A WIND ADVISORY AND THAT REMAINS IN EFFECT FOR SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA TODAY. ANTICIPATE AT LEAST SOME PATCHY BLOWING DUST IN THE ADVISORY AREA. THOUGH WINDS WILL NOT BE AS STRONG OVER SOUTH-CENTRAL ARIZONA...ADDED MENTION OF PATCHY BLOWING DUST IN OUR MOST DUST PRONE AREA OF PINAL COUNTY.

THE NEXT SYSTEM ARRIVES MONDAY BUT UPSTREAM AMPLIFICATION WILL CAUSE IT TO DIG SOUTHWARD ENOUGH SUCH THAT THE BRUNT OF THE MOISTURE AND DYNAMICAL FORCING AFFECTS COASTAL CALIFORNIA...NORTHWEST MEXICO...AND FAR SOUTHERN ARIZONA. HOWEVER...MODELS HAVE BEEN INSISTENT THAT MORE LOWER LEVEL MOISTURE WILL MAKE IT PAST THE COASTAL MOUNTAINS THIS TIME SUCH THAT THERE WILL BE BETTER PRECIP CHANCES FOR OUR AREA...BUT NOT GREAT. HOWEVER...SOUTHEAST CALIFORNIA WILL HAVE A DECENT CHANCE OF LIGHT RAIN WITH DECREASING CHANCES EASTWARD...OPPOSITE OF WHAT THE PATTERN OFTEN IS. AN EXCEPTION WOULD BE THE HIGHER TERRAIN EAST OF PHOENIX. PRECIP AMOUNTS...IF ANY...WILL BE QUITE MODEST. CAPE CONTINUES TO LOOK TOO MEAGER TO MENTION T-STORMS. POPS TRAIL OFF FROM WEST TO EAST TUESDAY AND END OVER THE HIGHER TERRAIN EAST OF PHOENIX TUESDAY NIGHT. SOME NICE ADDITIONAL COOLING COMES IN WITH THIS SECOND SYSTEM WITH HIGHS FINALLY DROPPING BELOW NORMAL MONDAY. NORTHERLY BREEZINESS CAN BE EXPECTED TUESDAY...MOST NOTICEABLY OVER THE LOWER COLORADO RIVER VALLEY.

WEDNESDAY THROUGH SATURDAY...

A RIDGE BUILDS INTO THE AREA WEDNESDAY AND THURSDAY WITH A WARMING TREND. A WEAKENING TROUGH FLATTENS THE RIDGE FRIDAY AND SATURDAY. GFS DEPICTS SOME VERY LIGHT QPF BUT ECMWF AND GEM DO NOT. NAEFS POPS REMAIN LOW. NOT ENOUGH TO GO ON AT THIS TIME TO MENTION PRECIP OUTSIDE OF JOSHUA TREE NATIONAL MONUMENT AT THIS TIME BUT HAVE COOLER TEMPS GOING FOR SATURDAY.

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201603061030>

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FIGURE A-6 AREA FORECAST DISCUSSION PHOENIX AZ MARCH 6, 2016 – Pg2

5/11/2017

IEM :: AFD from NWS PSR

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.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KTMA...AND KSDL...

A PERIOD OF GUSTY WEST WINDS WILL BE THE MAIN AVIATION CONCERN FOR PHOENIX TERMINALS SUNDAY. WINDS SHOULD SHIFT FROM THE TRADITIONAL EASTERLY DIRECTION EARLY SUNDAY MORNING TO WESTERLY MUCH EARLIER THAN USUAL (MID TO LATE MORNING) IN ASSOCIATION WITH A WEAK COLD FRONT. GUSTS IN A 20-30KT RANGE WILL BE POSSIBLE LATER SUNDAY AFTERNOON. OTHERWISE...EXTENSIVE THICK CLOUDS ABOVE THE 12K FT LEVEL WILL BE COMMON THROUGH SUNDAY MORNING.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH... STRONG AND GUSTY SFC WINDS WILL BE THE PRIMARY AVIATION CONCERN THROUGH SUNDAY EVENING. A FRONTAL BOUNDARY WILL FORCE GUSTY WEST WINDS AT KIPL TONIGHT...THOUGH CONFIDENCE IN TIMING FROPA AND TIGHTENING PRESSURE GRADIENT IS ONLY MODERATE. KBLH WILL LIKELY SEE SPEEDS INCREASE LATE SUNDAY MORNING...WITH DIRECTIONS FAVORING THE W/SW. GUSTS MAY FALL IN A 30-35KT RANGE FOR BRIEF PERIODS. OTHERWISE...A PERIOD OF SCT-BKN CLOUDS AROUND THE 6K FT LEVEL MAY ALSO IMPACT TERMINAL SITES ALONG WITH A FEW LIGHT SHOWERS SUNDAY AFTERNOON.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...

MONDAY THROUGH FRIDAY...

EVEN MORE COOLING ARRIVES MONDAY AS ANOTHER SYSTEM AFFECTS THE SOUTHWEST THROUGH TUESDAY. THE MAIN BRUNT OF THE SYSTEM AFFECTS COASTAL CALIFORNIA AND NORTHWEST MEXICO THOUGH THERE WILL BE A DECENT CHANCE OF RAIN WEST OF THE LOWER COLORADO RIVER VALLEY...ONLY SLIGHT CHANCE EAST OF THERE. WINDS WILL BE MUCH LIGHTER MONDAY WITH REDEVELOPMENT OF NORTHERLY BREEZINESS ON TUESDAY...LESS SO ON TUESDAY. WINDS WILL BE LIGHT WEDNESDAY AND THURSDAY WITH SOME BREEZINESS RETURNING FRIDAY...MOST NOTICEABLY OVER SOUTHEAST CALIFORNIA. AFTER A TEMPORARY INCREASE MONDAY...HUMIDITIES DECLINE BEGINNING TUESDAY AFTERNOON WITH MINIMUM VALUES DIPPING BELOW 15 PERCENT MOST PLACES BY WEDNESDAY. OVERNIGHT RECOVERY REMAINS GOOD.

&&

.SPOTTER INFORMATION STATEMENT...

SPOTTERS ARE ENCOURAGED TO REPORT BASED ON STANDARD OPERATING PROCEDURES.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...WIND ADVISORY FROM NOON TODAY TO 9 PM MST THIS EVENING FOR AZZ020-021-025-026.

CA...WIND ADVISORY FROM 11 AM THIS MORNING TO 8 PM PST THIS EVENING FOR CAZ030-033.

&&

\$\$

VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...A3

AVIATION...#0

FIRE WEATHER...A3

Fig A-6: Phoenix NWS office issued an Area Forecast Discussion at 2:30 am on March 6, 2016 for Southeast California and Southwest Arizona. Iowa State University, Iowa Environmental Mesonet:

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201603061030>

FIGURE A-7 URGENT WEATHER MESSAGE PHOENIX AZ MARCH 6, 2016

5/11/2017

IEM :: NPW from NWS PSR

National Weather Service Raw Text Product

Displaying AFOS PIL: **NPWPSR** Received: **2016-03-06 10:51 UTC**[Previous in Time](#)[View All KPSR Products for 06 Mar 2016](#)[Next in Time](#)[Latest Product](#)[View As Image](#)

F
 210
 MMUS75 KPSR 061051
 NPWPSR

URGENT - WEATHER MESSAGE
 NATIONAL WEATHER SERVICE PHOENIX AZ
 351 AM MST SUN MAR 6 2016

...STRONG WINDS THIS AFTERNOON AND EVENING FOR SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA...

AZZ020-021-025-026-CAZ030-033-062300-
 /O.CON.KPSR.WI.Y.0002.160306T1900Z-160307T0400Z/
 LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
 YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
 JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
 RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
 INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...
 QUARTZSITE...SALOME...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
 YUMA...DATELAND...TACNA...WELLTON...COTTONWOOD VISITOR CENTER...
 KEYS VIEW...LOST HORSE...BLYTHE...CHIRIACO SUMMIT...
 DESERT CENTER...EAGLE MOUNTAIN...BRAWLEY...CALEXICO...EL CENTRO...
 GLAVIS...IMPERIAL...THE SALTON SEA
 351 AM MST SUN MAR 6 2016 /251 AM PST SUN MAR 6 2016/

...MIND ADVISORY REMAINS IN EFFECT FROM NOON MST /11 AM PST/
TODAY TO 9 PM MST /8 PM PST/ THIS EVENING...

* AFFECTED AREA...SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA...
 INCLUDING YUMA...THE IMPERIAL VALLEY...INTERSTATE 8 EAST OF THE
 COASTAL CALIFORNIA MOUNTAINS...AND INTERSTATE 10 FROM NEAR
 QUARTZSITE WESTWARD TOWARD THE COACHELLA VALLEY.

* TIMING...LATE SUNDAY MORNING INTO EARLY SUNDAY EVENING.

* WINDS...SUSTAINED WEST WINDS OF 20 TO 30 MPH WITH GUSTS OF 40 TO 45 MPH.

* IMPACTS...DIFFICULT TRAVEL CONDITIONS DUE TO STRONG CROSSWINDS
 ALONG NORTH-SOUTH ORIENTED ROADWAYS INCLUDING HIGHWAY 95 IN
 SOUTHWEST ARIZONA AND SOUTHEAST CALIFORNIA...AND HIGHWAYS
 111...78...AND 86 IN IMPERIAL COUNTY. BLOWING DUST WILL ALSO
 REDUCE VISIBILITY AT TIMES TO BELOW ONE MILE...ESPECIALLY ACROSS
 IMPERIAL COUNTY IN SOUTHEAST CALIFORNIA AND YUMA COUNTY IN
 SOUTHWEST ARIZONA IMPACTING TRAVEL ON INTERSTATE 8.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A MIND ADVISORY MEANS THAT SUSTAINED MIND SPEEDS OF BETWEEN
 30 AND 40 MPH ARE EXPECTED...OR MIND GUSTS OF BETWEEN 40 AND
 58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
 FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
 AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
 A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
 CAUTION.

88

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A3

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<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201603061051>

1/1

Fig A-7: Phoenix NWS office issued an Urgent Weather Message at 2:51 am on March 6, 2016 for Southeast California and Southwest Arizona. Iowa State University, Iowa Environmental Mesonet:

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201603061051>

FIGURE A-8

AREA FORECAST DISCUSSION SAN DIEGO CO MARCH 6, 2016 – Pg1

5/11/2017

IEM :: AFD from NWS SGX

7
939
FXUS66 KSGX 061643
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
842 AM PST SUN MAR 6 2016

.SYNOPSIS...

LOW PRESSURE WILL MOVE INLAND ACROSS CALIFORNIA TODAY GENERATING STRONG WESTERLY WINDS IN THE MOUNTAINS AND DESERTS...AND SHOWERS THIS MORNING. SOME LIGHT RAIN WILL LINGER ON THE COASTAL SLOPES INTO THE AFTERNOON...THEN END OVERNIGHT. A SECOND...COLDER STORM WILL BRING MORE SHOWERS AND A CHANCE OF THUNDERSTORMS ON MONDAY...ALONG WITH SEVERAL INCHES OF SNOW IN THE MOUNTAINS. THE PRECIPITATION WILL END LATE MONDAY NIGHT. HIGH SURF WILL ALSO POUND AREA BEACHES THROUGH TUESDAY. DRY AND WARMER MIDWEEK...THEN COOLER INTO THE WEEKEND WITH ANOTHER CHANCE OF PRECIPITATION FRIDAY NIGHT AND SATURDAY.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

RADAR SHOWED NUMEROUS SHOWERS...SOME HEAVY MOVING EAST ACROSS THE CMA THIS MORNING. RAINFALL AMOUNTS HAVE BEEN MODERATE THROUGH 8 AM RANGING FROM LESS THAN ONE-TENTH OF AN INCH IN THE DESERTS AND... TO 1.5 INCHES ON THE WETTER COASTAL SLOPES OF THE MTS. THE 12Z MIRAMAR SOUNDING HAD A 3 DEGREE C INVERSION BASED NEAR 4150 FT MSL WITH SOUTH WINDS 10-15 KT BELOW TO THE SFC. THE SOUNDING INDICATED LITTLE INSTABILITY AND A PW OF 0.72 INCH...HOWEVER TPW IMAGERY SHOWED A NARROW PLUME INTO O.C. WITH VALUES OF 1.3 INCH.

SURFACE PRESSURE GRADIENTS SHOWED STRONG ONSHORE TRENDS TO IV. AT 8 AM PST...THE GRADIENT FROM KSN TO SW IV WAS 13 MBS. THIS WAS FUELING STRONGER WESTERLY WINDS OVER THE MTS AND DESERTS. STRONGEST WINDS OF 35 MPH WITH GUSTS 45-50 MPH WERE OCCURRING NEAR THE SAN GORGONIO PASS AND ON THE WINDIER RIDGES OF OF THE SAN DIEGO COUNTY MTS.

SHOWERS WILL CONTINUE THIS MORNING WITH BRIEF HEAVY RAIN...THEN DECREASE THIS AFTERNOON BEHIND THE WEAKENING COLD FRONT. SNOWFALL... IF ANY...IS EXPECTED ABOVE 7000 FT IN THE SAN BERNARDINO MTS...CLOUDS WILL DECREASE FROM THE NW LATE MORNING THROUGH AFTERNOON...EXCEPT OVER THE FOOTHILLS AND MTS WHERE UPSLOPE FLOW WILL CONTINUE TO CONDENSE ANY MOISTURE IN THE ATMOSPHERE INTO CLOUDS AND POSSIBLE LIGHT RAIN AT TIMES.

PARTLY CLOUDY...COOLER...AND MOSTLY DRY OVERNIGHT AHEAD OF A STRONG DIGGING SHORTWAVE FROM THE NW ON MONDAY.

FROM PREVIOUS DISCUSSION...

A SECOND COLDER LOW PRESSURE SYSTEM WILL MOVE SOUTHEASTWARD ACROSS FAR SOUTHERN CALIFORNIA MONDAY BRINGING SHOWERS AND A CHANCE OF THUNDERSTORMS. THE MAIN PERIOD OF PRECIPITATION IS EXPECTED FOR LATE MORNING THROUGH THE AFTERNOON. THE SHOWERS WILL DECREASE MONDAY NIGHT.

FOR MONDAY AND MONDAY NIGHT...RAINFALL IS EXPECTED TO RANGE FROM AROUND ONE HALF INCH NEAR THE COAST TO AROUND ONE INCH IN THE MOUNTAINS...WITH AROUND ONE THIRD INCH IN THE UPPER DESERTS AND ONE TENTH INCH OR LESS IN THE LOWER DESERTS. DUE TO THE CONVECTIVE NATURE OF THE PRECIPITATION...AMOUNTS WILL BE MORE VARIABLE THAN FOR TODAY.

THE SNOW LEVEL WILL LOWER FROM ABOVE 8000 FEET...TO AROUND 6500 FEET THIS AFTERNOON...6000 FEET LATE TONIGHT...4500 TO 5000 FEET MONDAY...AND 4000 TO 4500 FEET MONDAY NIGHT. A FEW INCHES OF SNOW IS POSSIBLE ABOVE 7500 TO 8000 FEET THROUGH TONIGHT. FOR MONDAY AND MONDAY NIGHT...SNOWFALL OF 4 TO 8 INCHES IS POSSIBLE...MOSTLY ABOVE 5500 FEET.

FOR LATE MONDAY MORNING INTO EARLY MONDAY AFTERNOON...THE HIGHER RESOLUTION MODELS CONTINUE TO SHOW A BRIEF PERIOD OF TIME WHERE GREATER INSTABILITY...A SURFACE CONVERGENCE BOUNDARY...AND SUFFICIENT LOW LEVEL SHEAR EXIST OVER THE INNER COASTAL WATERS INTO THE ADJACENT COASTAL AREAS FOR THE DEVELOPMENT OF WATERSPOUTS AND ISOLATED TORNADOES.

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201603061642>

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FIGURE A-8

AREA FORECAST DISCUSSION SAN DIEGO CO MARCH 6, 2016 – Pg2

5/11/2017

IEM :: AFD from NWS SGX

FOR LATE MONDAY NIGHT INTO TUESDAY...STRONG NORTH WINDS ALOFT BEHIND THE DEPARTING LOW PRESSURE SYSTEM WILL BRING GUSTY NORTH WINDS...STRONGEST ALONG THE COASTAL SLOPES OF THE SAN BERNARDINO COUNTY MOUNTAINS AND BELOW THE CAJON PASS...AND NEAR AND ALONG THE COASTAL SLOPES OF THE SANTA ANA MOUNTAINS. HIGH TEMPERATURES WILL WARM TO NEAR AVERAGE ON TUESDAY FOLLOWING HIGH TEMPERATURES OF 10 TO 15 DEGREES BELOW AVERAGE ON MONDAY.

&&

.LONG TERM (WEDNESDAY THROUGH SATURDAY)...

WARMER AND DRY FOR WEDNESDAY AND THURSDAY WITH HIGH PRESSURE ALOFT. HIGH TEMPERATURES WILL WARM TO NEAR TO SLIGHTLY ABOVE AVERAGE ON WEDNESDAY AND AROUND 10 DEGREES ABOVE AVERAGE ON THURSDAY.

FOR LATE IN THE WEEK...THE FORECAST CONTINUES TO FAVOR THE MORE CONSISTENT ECMWF WITH A LOW PRESSURE SYSTEM THAT WOULD BRING A PERIOD OF MAINLY LIGHTER PRECIPITATION WITH THE MAIN PERIOD OF PRECIPITATION LATE FRIDAY NIGHT INTO SATURDAY MORNING. THE ECMWF TIMING CONTINUES TO BE SUPPORTED BY THE GFS ENSEMBLE MEAN AND IS NOW SUPPORTED BY THE CANADIAN MODEL. THE GFS REMAINS MORE AMPLIFIED THAN THE OTHER MODEL SOLUTIONS WITH FASTER TIMING FOR THE 00Z RUN AND TIMING SIMILAR TO THE OTHER MODELS FOR THE 06Z RUN.

&&

.AVIATION...

061630Z...COAST/VALLEYS...RAIN SHOWERS WILL CONTINUE OVER THE REGION THIS MORNING...ENDING FROM NORTHWEST TO SOUTHEAST BY 21Z. THROUGH 21Z...CLOUD BASES WILL BE MAINLY 1500-2500 FT MSL...LOCALLY LOWERING TO 700-1000 FT MSL WITH VIS 1-4 SM IN HEAVIER SHOWERS. THE TOP OF THE LOW CLOUDS WILL BE AOB 5000 FT MSL WITH A SECOND CLOUD LAYER BETWEEN FL100 AND FL250. CLOUDS WILL BECOME FEW-SCT BETWEEN 2500-3500 FT MSL THIS AFTERNOON...WITH WEST WINDS 10 TO 15 KTS AT THE COASTAL TAF SITES. FLOW ALONG THE COAST. BKN-OVC CLOUDS WITH BASES AROUND 2500 FT MSL AND -SHRA WILL REDEVELOP MONDAY MORNING AHEAD OF THE NEXT COLD FRONT.

MOUNTAINS/DESERTS...THE COASTAL MTN SLOPES WILL SEE REDUCED VIS OF 1 SM OR LESS DUE TO FOG...LOW CLOUDS AND SHOWERS THROUGH ABOUT 00Z. ISOLATED LIGHT SHOWERS POSSIBLE IN THE HIGH DESERT THROUGH 20Z. OTHERWISE SCT-BKN CLOUDS AOA 8000 FT MSL IN THE DESERTS. NO VIS RESTRICTIONS OR LOWERED CIGS ARE EXPECTED FOR KPSP OR KTRM. WEST WINDS INCREASING THIS AFTERNOON WITH SFC GUSTS 35-50 KT OVER THE RIDGES AND ADJACENT DESERT SLOPES THROUGH MONDAY MORNING. STG-SVR UDDFS...LLWS...AND ROTORS ARE POSSIBLE OVER AND EAST THE MTNS TONIGHT AND SUNDAY.

&&

.MARINE...

AT 830 AM...A LARGE WEST SWELL WITH A PERIOD OF 13-15 SEC WILL BUILD OVER THE COASTAL WATERS THIS EVENING...PEAKING LATE MONDAY INTO TUESDAY AT 14-18 FT. COMBINED SEAS OF OVER 10-20 FT LIKELY THIS EVENING THROUGH TUESDAY NIGHT. HIGHEST SEAS WILL BE SOUTH AND SOUTHEAST OF SAN CLEMENTE ISLAND.

A SMALL CRAFT ADVISORY IS IN EFFECT FOR NORTHWEST WINDS OF 20-25 KT TODAY...WINDS MAY INCREASE TO 30-35 KT MONDAY EVENING...THEN WEAKEN DURING THE DAY TUESDAY. WINDS AND SEAS WILL CONTINUE TO DIMINISH WEDNESDAY. FOR MORE DETAILS SEE THE LAXNMMSGX.

SHOWERS WILL CONTINUE THROUGH THIS MORNING...THEN HEAVIER SHOWERS AND THUNDERSTORMS ARE POSSIBLE MONDAY MORNING AND AFTERNOON. SEE THE MARINE WEATHER STATEMENT...LAXNMMSGX...FOR MORE INFORMATION.

&&

.BEACHES...

830 AM...A HIGH SURF ADVISORY IS IN EFFECT THROUGH NOON MONDAY...AND A HIGH SURF WARNING WILL BE IN EFFECT FROM NOON MONDAY THROUGH 4 PM TUESDAY. A 6-9 FT WEST SWELL FROM 280 DEGREES WILL GENERATE 4-7 FT SURF WITH LOCAL SETS TO 8 FT TODAY. MONDAY THROUGH TUESDAY...A 12 TO 18 FT SWELL FROM 285 DEGREES WITH A PERIOD OF 13-15 SEC WILL GENERATE SURF OF 8-15 FT LATE MONDAY AND TUESDAY. SWELL AND SURF

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201603061642>

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FIGURE A-8 AREA FORECAST DISCUSSION SAN DIEGO CO MARCH 6, 2016 – Pg3

5/11/2017

IEM :: AFD from NWS SGX

WILL DECREASE WEDNESDAY.

A COASTAL FLOOD ADVISORY WILL BE IN EFFECT FROM 6 AM MONDAY THROUGH NOON TUESDAY DUE TO THE COMBINATION OF VERY LARGE SURF...GUSTY WINDS...AND HIGH TIDES NEAR 6 FEET MONDAY AND TUESDAY. THE GREATEST THREAT WILL BE DURING TIMES OF HIGH TIDE.

FOR MORE DETAILS...SEE THE HIGH SURF WARNING AND THE COASTAL FLOOD ADVISORY (LAXCFM5GX)...AND THE SURF FORECAST (LAXSRFSGX).

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...MIND ADVISORY UNTIL 3 AM PST MONDAY FOR APPLE AND LUCERNE VALLEYS-COACHELLA VALLEY-RIVERSIDE COUNTY MOUNTAINS-SAN BERNARDINO COUNTY MOUNTAINS-SAN DIEGO COUNTY DESERTS-SAN DIEGO COUNTY MOUNTAINS-SAN GORGONIO PASS NEAR BANNING.

HIGH SURF ADVISORY UNTIL NOON PST MONDAY FOR ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS.

COASTAL FLOOD ADVISORY FROM 6 AM MONDAY TO NOON PST TUESDAY FOR ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS.

HIGH SURF WARNING FROM NOON MONDAY TO 4 PM PST TUESDAY FOR ORANGE COUNTY COASTAL AREAS-SAN DIEGO COUNTY COASTAL AREAS.

MIND ADVISORY FROM 10 AM THIS MORNING TO 6 PM PST THIS EVENING FOR ORANGE COUNTY COASTAL AREAS.

PZ...SMALL CRAFT ADVISORY FROM 8 AM THIS MORNING TO 10 PM PST TUESDAY FOR COASTAL WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER AND OUT TO 30 NM-WATERS FROM SAN MATEO POINT TO THE MEXICAN BORDER EXTENDING 30 TO 60 NM OUT INCLUDING SAN CLEMENTE ISLAND.

&&

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PUBLIC...JAD/17

AVIATION/MARINE/BEACHES...ALBRIGHT

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Fig A-8: San Diego NWS office issued an Area Forecast Discussion at 8:42 am on March 6, 2016. Iowa State University, Iowa Environmental Mesonet:
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201603061642>

FIGURE A-9 AREA FORECAST DISCUSSION PHOENIX AZ MARCH 6, 2016 – Pg1

5/11/2017

IEM :: AFD from NWS PSR

7
282
FXUS65 KPSR 061653
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
953 AM MST SUN MAR 6 2016

.SYNOPSIS...

A COUPLE OF WEATHER SYSTEMS MOVE THROUGH THE DESERT SOUTHWEST TODAY THROUGH TUESDAY. THE MAIN IMPACT FOR SOUTHERN ARIZONA AND SOUTHEAST CALIFORNIA WILL BE MUCH COOLER TEMPERATURES AND WINDY CONDITIONS...ESPECIALLY TODAY. PRECIPITATION...IF ANY...WILL BE QUITE MODEST. A WARMING TREND CAN BE EXPECTED WEDNESDAY AND THURSDAY WITH COOLER TEMPERATURES SATURDAY.

&&

.DISCUSSION...

VIGOROUS NEGATIVELY-TILTED SHORT WAVE IS APPROACHING THE LAS VEGAS AREA LATE THIS MORNING WITH THE SOUTHERN PERIPHERY JET CUTTING INTO ARIZONA. AHEAD OF THE SHORT WAVE THERE ARE SOME VERY LIGHT SHOWERS WHICH CURRENT FORECAST HANDLES WELL. COINCIDENT WITH THE VORT MAX SOME CONVECTION IS NOTED. LATEST RUNS OF HRRR ARE PICKING UP ON THIS AND CONTINUING THE POTENTIAL FOR CONVECTIVE ACTIVITY AS THE VORT MAX CLIPS NORTHERN ARIZONA THIS AFTERNOON. IT DOES APPEAR THAT ACTIVITY WILL STAY NORTH OF OUR FORECAST AREA THOUGH. WE WILL BE WATCHING THE WINDS PICK UP THROUGH THE NEXT FEW HOURS. SURFACE OBSERVATIONS IN IMPERIAL COUNTY /SOUTHEAST CALIFORNIA/ ARE CURRENTLY RANGING FROM 15 TO ABOUT 35 MPH AND WE EXPECT THOSE VALUES TO GO HIGHER AND SPREAD INTO MOST OF SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA THROUGH THE AFTERNOON. SOME BLOWING DUST REMAINS POSSIBLE...WHICH WE HAVE HIGHLIGHTED IN OUR MESSAGING MATERIALS THE PAST SEVERAL DAYS. WE DID ADD SOME BLOWING DUST INTO SOUTHERN MARICOPA COUNTY...ALONG THE INTERSTATE 8 STRETCH NEAR GILA BEND...TO BETTER COLLABORATE WITH THE NWS TUCSON OFFICE AND BASED ON ENHANCED GUST POTENTIAL PER LATEST HRRR RUNS. OTHERWISE MINOR ADJUSTMENTS MADE TO TEMPERATURE AND SKY GRIDDED FORECAST DATA.

PREVIOUS DISCUSSION...

TODAY THROUGH TUESDAY...

A STRONG PACIFIC LOW PRESSURE SYSTEM IS MOVING INLAND EARLY THIS MORNING AND DISPLACING THE RIDGE EASTWARD. THE JET ON THE SOUTH SIDE OF THE SYSTEM IS NOSING INTO SOUTHERN CALIFORNIA AND NORTHERN BAJA. THE RIDGE IS CAUSING A SPLIT IN THE FLOW WITH A LOT OF DEFLECTION OVER CALIFORNIA. AS OF THIS WRITING...THE LEADING EDGE OF THE FRONTAL ZONE WAS OVER THE SOUTHERN SIERRA NEVADA MOUNTAINS EXTENDING SOUTHWESTWARD THROUGH THE L.A. BASIN AND CONTINUING OFFSHORE. AHEAD OF THE MAIN SYSTEM IS A SHORT WAVE TRACKING ACROSS ARIZONA. THIS FEATURE COMBINED WITH THE ADVANCE OF THE MAIN SYSTEM HAS PRODUCED A LOT OF MID AND HIGH CLOUDINESS WHICH HAS KEPT OVERNIGHT TEMPERATURES FROM DROPPING OFF AS MUCH AS THEY WOULD OTHERWISE. THERE ARE EVEN SOME VERY WEAK SHOWERS/SPRINKLES EMBEDDED IN THOSE CLOUDS TRACKING ACROSS LA PAZ...NORTHERN MARICOPA...GILA COUNTY...AND POINTS NORTH. THERE HAS ALSO BEEN WINDY CONDITIONS OVER PORTIONS OF SOUTHEAST CALIFORNIA WHICH HAS KEPT MIXING GOING. AS A SIDE NOTE...THOSE WINDS HAVE ADVECTED HIGHER DEW POINTS INTO WESTERN PORTIONS OF OUR FORECAST AREA.

MODELS HAVE BEEN PRETTY CONSISTENT SHOWING THIS SYSTEM WEAKENING AS IT MOVES INLAND AND THE BEST QG FORCING TRACKING JUST NORTH OF OUR AREA. THERE IS ALSO RAIN SHADOWING OF THE FRONTAL BAND TO CONSIDER WITH WHICH WILL PUT A DENT IN MOISTURE AVAILABILITY AS THE FRONT TRACKS ACROSS THE FORECAST AREA TODAY. THUS...KEPT POPS MODEST

TODAY/TONIGHT. SREF DEPICTS A TINY BIT OF CAPE BRUSHING OUR AREA THIS AFTERNOON BUT NOT ENOUGH TO MERIT MENTION OF T-STORMS. WINDS AND COOLER TEMPERATURES...MOST NOTICEABLY FOR SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA...WILL BE THE MAIN EFFECTS FOR US. WINDS LOOK TO BE JUST STRONG ENOUGH FOR A WIND ADVISORY AND THAT REMAINS IN EFFECT FOR SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA TODAY. ANTICIPATE AT LEAST SOME PATCHY BLOWING DUST IN THE ADVISORY AREA, THOUGH WINDS WILL NOT BE AS STRONG OVER SOUTH-CENTRAL ARIZONA...ADDED MENTION OF PATCHY BLOWING DUST IN OUR MOST DUST PRONE AREA OF PINAL COUNTY.

THE NEXT SYSTEM ARRIVES MONDAY BUT UPSTREAM AMPLIFICATION WILL CAUSE IT TO DIG SOUTHWARD ENOUGH SUCH THAT THE BRUNT OF THE MOISTURE AND DYNAMICAL FORCING AFFECTS COASTAL CALIFORNIA...NORTHWEST MEXICO...AND FAR SOUTHERN ARIZONA. HOWEVER...MODELS HAVE BEEN INSISTENT THAT MORE LOWER LEVEL MOISTURE WILL MAKE IT PAST THE COASTAL MOUNTAINS THIS

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201603061653>

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FIGURE A-9 AREA FORECAST DISCUSSION PHOENIX AZ MARCH 6, 2016 – Pg2

5/11/2017

IEM :: AFD from NWS PSR

TIME SUCH THAT THERE WILL BE BETTER PRECIP CHANCES FOR OUR AREA...BUT NOT GREAT. HOWEVER...SOUTHEAST CALIFORNIA WILL HAVE A DECENT CHANCE OF LIGHT RAIN WITH DECREASING CHANCES EASTWARD...OPPOSITE OF WHAT THE PATTERN OFTEN IS, AN EXCEPTION WOULD BE THE HIGHER TERRAIN EAST OF PHOENIX. PRECIP AMOUNTS...IF ANY...WILL BE QUITE MODEST. CAPE CONTINUES TO LOOK TOO MEAGER TO MENTION T-STORMS. POPS TRAIL OFF FROM WEST TO EAST TUESDAY AND END OVER THE HIGHER TERRAIN EAST OF PHOENIX TUESDAY NIGHT. SOME NICE ADDITIONAL COOLING COMES IN WITH THIS SECOND SYSTEM WITH HIGHS FINALLY DROPPING BELOW NORMAL MONDAY. NORTHERLY BREEZINESS CAN BE EXPECTED TUESDAY...MOST NOTICEABLY OVER THE LOWER COLORADO RIVER VALLEY.

WEDNESDAY THROUGH SATURDAY...

A RIDGE BUILDS INTO THE AREA WEDNESDAY AND THURSDAY WITH A WARMING TREND. A WEAKENING TROUGH FLATTENS THE RIDGE FRIDAY AND SATURDAY. GFS DEPICTS SOME VERY LIGHT QPF BUT ECMWF AND GEM DO NOT. NAEFS POPS REMAIN LOW. NOT ENOUGH TO GO ON AT THIS TIME TO MENTION PRECIP OUTSIDE OF JOSHUA TREE NATIONAL MONUMENT AT THIS TIME BUT HAVE COOLER TEMPS GOING FOR SATURDAY.

&&

.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIMA...AND KSDL...

A PERIOD OF GUSTY WEST WINDS WILL BE THE MAIN AVIATION CONCERN FOR PHOENIX TERMINALS TODAY. WINDS SHOULD SHIFT FROM THE TRADITIONAL EASTERLY DIRECTION EARLY THIS MORNING TO WESTERLY MUCH EARLIER THAN USUAL (MID TO LATE MORNING) IN ASSOCIATION WITH A WEAK COLD FRONT. GUSTS IN A 20-30KT RANGE WILL BE POSSIBLE LATER THIS AFTERNOON. OTHERWISE...EXTENSIVE THICK CLOUDS ABOVE THE 12K FT LEVEL WILL BE COMMON THROUGH THIS MORNING WITH MOST CIGS AOA 15K FEET. LATER THIS AFTERNOON...SCT CU DECKS WILL DEVELOP WITH BASES AROUND 7K FEET AND THERE MAY BE OCCASIONAL CIGS AT THAT LEVEL. ISOLD SHOWERS MAY ALSO AFFECT THE TERMINALS MAINLY DURING THE EARLY EVENING HOURS IN ASSOCIATION WITH THE PASSING COLD FRONT...BUT RAIN AMOUNTS SHOULD BE VERY LIGHT...IF ANY RAIN OCCURS AT ALL.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH... STRONG AND GUSTY SFC WINDS WILL BE THE PRIMARY AVIATION CONCERN THROUGH THIS EVENING. A FRONTAL BOUNDARY WILL FORCE GUSTY WEST WINDS AT KIPL EARLY THIS MORNING...THOUGH CONFIDENCE IN TIMING FROPA AND TIGHTENING PRESSURE GRADIENT IS ONLY MODERATE. EXPECT STRONG GUSTY WINDS AT KIPL MUCH OF THIS AFTERNOON INTO THE EVENING WITH PEAK GUSTS 35 MPH OR HIGHER...AND SOME BLOWING DUST MAY BE POSSIBLE ALTHOUGH VIS VALUES AT THE TERMINAL SHOULD STAY ABOVE 5SM. KBLH WILL LIKELY SEE SPEEDS INCREASE LATER THIS MORNING...WITH DIRECTIONS FAVORING THE W/SW. GUSTS MAY FALL IN A 30-35KT RANGE FOR BRIEF PERIODS. OTHERWISE...A PERIOD OF SCT-BKN CLOUDS AROUND THE 6K FT LEVEL MAY ALSO IMPACT TERMINAL SITES ALONG WITH A FEW LIGHT SHOWERS THIS AFTERNOON.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...

TUESDAY THROUGH SATURDAY... A LARGE AREA OF LOW PRESSURE WILL DIVE TOWARDS THE SOUTHEAST AND INTO NORTHWEST MEXICO TUESDAY...WITH STRONG GUSTY NORTHWEST WINDS DEVELOPING ACROSS MUCH OF SOUTHWEST ARIZONA AND SOUTHEAST CALIFORNIA BEHIND THE EXITING LOW. HIGH TEMPERATURES WILL REMAIN A BIT ON THE COOL SIDE...MOSTLY IN THE 70S...AND THERE WILL BE A LINGERING CHANCE OF SHOWERS FROM PHOENIX EAST...MAINLY DURING THE MORNING HOURS. HUMIDITIES WILL DROP WITH MANY OF THE LOWER DESERTS FALLING BELOW 15 PERCENT. HIGH PRESSURE WILL BUILD OVER THE AREA WEDNESDAY INTO FRIDAY LEADING TO A WARMING TREND ALONG WITH CONTINUED DRYING AND MUCH LESS WIND. BY THURSDAY MOST OF THE LOWER DESERTS WILL SEE MINIMUM RH VALUES AT OR BELOW 10 PERCENT ALTHOUGH HUMIDITIES MAY RISE A FEW PERCENT FRIDAY. IT WILL BECOME BREEZY FRIDAY AFTERNOON...ESPECIALLY OVER SOUTHEAST CALIFORNIA...AS A STRONG AREA OF LOW PRESSURE DEVELOPS ALONG THE CALIFORNIA COAST. AS THE LOW WEAKENS AND MOVES INLAND SATURDAY A COOLING TREND WILL DEVELOP ALONG WITH A CONTINUED GRADUAL RISE IN MINIMUM RH LEVELS. IT WILL STAY BREEZY FROM THE SOUTHWEST ACROSS MUCH OF THE LOWER DESERT.

&&

.SPOTTER INFORMATION STATEMENT...

SPOTTERS ARE ENCOURAGED TO REPORT BASED ON STANDARD OPERATING PROCEDURES.

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSPR&e=201603061653>

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FIGURE A-9
AREA FORECAST DISCUSSION PHOENIX AZ MARCH 6, 2016 – Pg3

Fig A-9: Phoenix NWS office issued an Area Forecast Discussion at 8:53 am on March 6, 2016. Iowa State University, Iowa Environmental Mesonet:
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201603061653>

FIGURE A-10

URGENT WEATHER MESSAGE PHOENIX AZ MARCH 6, 2016 – Pg1

5/11/2017

IEM :: NPW from NWS PSR

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938
MAUS75 KPSR 062004
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
104 PM MST SUN MAR 6 2016

...STRONG WINDS THIS AFTERNOON AND EVENING FOR SOUTHEAST
CALIFORNIA AND SOUTHWEST ARIZONA...

AZZ020-021-025-026-CAZ031>033-070400-
/O.MEM.KPSR.DU.Y.0003.160306T2004Z-160307T0400Z/
/O.CON.KPSR.WI.Y.0002.000000T0000Z-160307T0400Z/
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
LOWER COLORADO RIVER VALLEY CA-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...
QUARTZSITE...SALOME...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
YUMA...DATELAND...TACNA...MELLTON...BLYTHE...CHIRIACO SUMMIT...
DESERT CENTER...EAGLE MOUNTAIN...BRAMLEY...CALEXICO...EL CENTRO...
GLAMIS...IMPERIAL...THE SALTON SEA
104 PM MST SUN MAR 6 2016 /1204 PM PST SUN MAR 6 2016/

...BLOWING DUST ADVISORY IN EFFECT UNTIL 9 PM MST /8 PM PST/ THIS
EVENING...
...WIND ADVISORY REMAINS IN EFFECT UNTIL 9 PM MST /8 PM PST/ THIS
EVENING...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A BLOWING DUST
ADVISORY...WHICH IS IN EFFECT UNTIL 9 PM MST /8 PM PST/ THIS
EVENING.

* AFFECTED AREA...SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA...
INCLUDING YUMA...THE IMPERIAL VALLEY...INTERSTATE 8 EAST OF
THE COASTAL CALIFORNIA MOUNTAINS...AND INTERSTATE 10 FROM NEAR
QUARTZSITE WESTWARD TOWARD THE COACHELLA VALLEY.

* TIMING...NOW THROUGH 9 PM THIS EVENING.

* WINDS...SUSTAINED WEST WINDS OF 20 TO 30 MPH WITH GUSTS OF 40
TO 45 MPH.

* VISIBILITY...WIDESPREAD VISIBILITY BELOW ONE MILE...AREAS DOWN TO
ONE QUARTER MILE.

* IMPACTS...DIFFICULT TRAVEL CONDITIONS DUE TO POOR VISIBILITY FROM
BLOWING DUST AREA WIDE...INCLUDING INTERSTATES 8 AND 10. STRONG
CROSSWINDS ALONG NORTH- SOUTH ORIENTED ROADWAYS INCLUDING HIGHWAY
95 IN SOUTHWEST ARIZONA AND SOUTHEAST CALIFORNIA...AND HIGHWAYS
111... 78...AND 86 IN IMPERIAL COUNTY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU ENCOUNTER
BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.

REMEMBER...PULL ASIDE...STAY ALIVE.

&&

$$

CAZ030-070400-
/O.CON.KPSR.WI.Y.0002.000000T0000Z-160307T0400Z/
JOSHUA TREE NATIONAL PARK-
INCLUDING THE CITIES OF...COTTONWOOD VISITOR CENTER...KEYS VIEW...

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<https://mesonet.agron.iastate.edu/wx/afos/p.php?pi=NPWPSR&e=201603062004>

2/3

FIGURE A-10
AREA FORECAST DISCUSSION PHOENIX AZ MARCH 6, 2016 – Pg2

Fig A-10: Phoenix NWS office issued an Area Forecast Discussion at 12:04 pm on March 6, 2016. Iowa State University, Iowa Environmental Mesonet:
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201603062004>

FIGURE A-11

URGENT WEATHER MESSAGE SAN DIEGO MARCH 6, 2016 – Pg1

5/11/2017

IEM :: NPW from NWS SGX

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r
004
MMUS76 KSGX 062111
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
111 PM PST SUN MAR 6 2016

...STRONG WEST WINDS IN THE MOUNTAINS AND DESERTS THROUGH LATE
TONIGHT AND NEAR THE ORANGE COUNTY COAST THIS AFTERNOON...

.A PACIFIC LOW PRESSURE SYSTEM WILL MAINTAIN STRONGER ONSHORE
FLOW AS IT MOVES INLAND THROUGH CALIFORNIA WITH PERIODS OF STRONG
AND GUSTY SOUTHWEST TO WEST WINDS IN THE MOUNTAINS AND DESERTS
THROUGH LATE TONIGHT. GUSTY WESTERLY WINDS NEAR THE ORANGE COUNTY
COAST WILL DIMINISH THIS EVENING.

CAZ055-056-058-060>062-065-070515-
/0.CON.KSGX.WT.Y.0013.000000T0000Z-160307T1100Z/
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-
SAN DIEGO COUNTY MOUNTAINS-APPLE AND LUCERNE VALLEYS-
COACHELLA VALLEY-SAN DIEGO COUNTY DESERTS-
SAN GORGONIO PASS NEAR BANHING-
111 PM PST SUN MAR 6 2016

...WIND ADVISORY REMAINS IN EFFECT UNTIL 3 AM PST MONDAY...

* WINDS...AREAS OF SOUTHWEST TO WEST WINDS 25 TO 35 MPH WITH
GUSTS TO 55 MPH. ISOLATED GUSTS TO 70 MPH. STRONGEST WIND
GUSTS WILL BE ALONG THE DESERT SLOPES AND NEAR THE FOOTHILLS.

* LOCATION...NEAR MOUNTAIN RIDGETOPS...ALONG DESERT MOUNTAIN
SLOPES...INTO ADJACENT DESERT AREAS.

* TIMING...THROUGH LATE TONIGHT WITH THE STRONGEST WINDS THROUGH
LATE THIS EVENING.

* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY FOR
MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS. IN THE DESERTS...AREAS OF BLOWING DUST AND SAND WILL LOCALLY
REDUCE VISIBILITY.

* RECENT WIND GUST REPORTS...

EDOM HILL.....77 MPH 10 AM PST
BURNS CANYON.....62 MPH 11 AM PST
VOLCAN MOUNTAIN SDGE.....62 MPH 5 AM PST
WHITE WATER WEST RAMS      57 MPH 4 AM PST

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS
THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH
PROFILE VEHICLES. USE EXTRA CAUTION.

&&

$$

CAZ552-070200-
/0.CON.KSGX.WT.Y.0013.000000T0000Z-160307T0200Z/
ORANGE COUNTY COASTAL AREAS-
111 PM PST SUN MAR 6 2016

...WIND ADVISORY REMAINS IN EFFECT UNTIL 6 PM PST THIS EVENING...

* WINDS...AREAS OF WEST TO NORTHWEST WINDS 15 TO 25 MPH WITH
GUSTS TO 35 MPH.

* LOCATION...COASTAL AREAS WITH STRONGEST WINDS NEAR THE BEACHES.

* TIMING...THROUGH LATE AFTERNOON. WINDS WILL SUBSIDE EARLY THIS
EVENING.

* IMPACTS...THE WINDS WILL MAKE DRIVING DIFFICULT...ESPECIALLY
FOR MOTORISTS WITH HIGH PROFILE VEHICLES. WATCH FOR PALM
FRONDS AND BROKEN TREE LIMBS.

* RECENT WIND GUST REPORTS...

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<https://mesonet.agron.iastate.edu/wx/afos/p.php?pi=NPWSGX&e=201603062111>

2/3

FIGURE A-11
URGENT WEATHER MESSAGE SAN DIEGO MARCH 6, 2016 – Pg2

Fig A-11: San Diego NWS office issued an Urgent Weather Message at 1:11 pm on March 6, 2016. Iowa State University, Iowa Environmental Mesonet:
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201603062111>

FIGURE A-12

AREA FORECAST DISCUSSION SAN DIEGO MARCH 6, 2016 – Pg1

5/11/2017

IEM :: AFD from NWS PSR

7
606
FXUS65 KPSR 062042
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
142 PM MST SUN MAR 6 2016

.SYNOPSIS...

BREEZY WEATHER TODAY WILL GIVE WAY TO COOLER TEMPERATURES MONDAY AND TUESDAY. SOME SHOWERS ARE LIKELY ACROSS THE REGION AS A WEATHER SYSTEM MOVES THROUGH BUT SIGNIFICANT RAIN OR SNOW IS NOT EXPECTED. A WARM UP WILL START MID WEEK AND CONTINUE INTO THE WEEKEND ALONG WITH DRY WEATHER AND MOSTLY CLEAR SKIES.

&&

.DISCUSSION...

VIGOROUS NEGATIVELY-TILTED SHORT WAVE IS JUST OVER THE LAS VEGAS AREA AND CONTINUES TO PROGRESS EAST-NORTHEAST TODAY. IN IT'S WAKE THERE ARE SOME SHOWERS AND EVEN A FEW THUNDERSTORMS DEVELOPING IN THE AREA OF STRONGEST PVA. ON THE SOUTHERN EDGE...STRONG WINDS DEVELOPED AND WAVE CLOUD STRUCTURE IS NOTED ON SATELLITE IMAGERY. BASED ON VISIBLE SATELLITE...SURFACE OBSERVATIONS...AND SOCIAL MEDIA REPORTS...ISSUED A BLOWING DUST ADVISORY FOR THE LOWER ELEVATIONS WHERE THE WIND ADVISORY WAS IN EFFECT. EXPECT THIS TO REMAIN THE FOCUS OF ISSUES INTO THE EVENING HOURS. ANY PRECIPITATION THAT FALLS IN OUR FORECAST AREA...WHICH WOULD BE FROM LA PAZ COUNTY ACROSS NORTHERN MARICOPA COUNTY TO SOUTHERN GILA COUNTY...WILL BE LIGHT. HRRR RUNS REMAIN CONSISTENT WITH SHOWERS/CONVECTION REMAINING JUST NORTH OF THAT AREA.

FIRST SHORT WAVE CONTINUES TO LIFT NORTHEAST TONIGHT AND WILL BRING A LULL IN THE WEATHER. MONDAY...NEXT SHORT WAVE MOVES SOUTH ALONG THE CALIFORNIA COAST AND DEVELOPS INTO A CLOSE LOW SOUTH OF NOGALES BY TUESDAY MORNING. SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA HAVE THE BEST CHANCE OF SEEING SHOWERS MONDAY AS THE LOW SLIDES IN...THEN THOSE SHOWER CHANCES SLIDE TOWARD SOUTHEAST ARIZONA MONDAY NIGHT. THERE IS A WINDOW DURING TUESDAY THAT SHOWER ACTIVITY ACROSS THE SOUTHEASTERN QUADRANT OF ARIZONA SPILLS INTO THE PHOENIX AREA...PRIMARILY BASED ON VERY MODEST INSTABILITY PARAMETERS AS ACTUAL FORCING WILL BE FAIRLY WEAK/ABSENT. SNOW LEVELS COULD FALL TO 5000 FEET BUT WITH LITTLE QPF EXPECTED ANTICIPATE LITTLE IF ANY ISSUES.

MIDWEEK...RIDGE AXIS NOSES INTO THE SOUTHWEST AND WILL BRING QUIET AND WARMING WEATHER. STILL A LOT OF UNCERTAINTY FOR A POTENTIAL SYSTEM IN THE WEEKEND TIMEFRAME. LATEST DETERMINISTIC GFS SENDS A BIT OF A BOWLING BALL UPPER LEVEL LOW INTO ARIZONA BUT THE GFS TIME-LAGGED ENSEMBLE SHOWS A MUCH WEATHER SYSTEM WITH NO DISCERNIBLE TREND. LIKEWISE THERE IS QUITE A BIT OF SPREAD IN THE GFS AND THE EC ENSEMBLE INDICATES SOME CHANCE FOR RAIN. CURRENT FORECAST HAS NEAR-CLINO POPS GIVEN THE UNCERTAINTY.

&&

.AVIATION...

SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIMA...AND KSDL...

GUSTY WESTERLY WINDS ASSOCIATED WITH A COLD FRONT PASSING THROUGH THE PHX AREA WILL CONTINUE INTO THE EARLY EVENING HOURS...THEN SLOWLY DIMINISH OVERNIGHT BEFORE BECOMING LIGHT SOUTHEASTERLY FOR A SHORT TIME EARLY MONDAY MORNING. WINDS TO REVERT BACK TO A WESTERLY DIRECTION ON MONDAY AFTERNOON...BUT AT SPEEDS LESS THAN WHAT WE ARE SEEING TODAY. SCT-BKN MID-HIGH LEVEL CLOUD LAYERS AOA 12K FEET TO BECOME FEW-SCT AROUND 7K FEET THIS EVENING...BEFORE CLEARING OUT FOR A TIME LATER TONIGHT. THERE IS ALSO A REMOTE CHANCE OF A FEW SHOWERS THIS EVENING...BUT CONFIDENCE IS TOO LOW TO PUT ANYTHING MORE THAN VCSH IN THE KIMA AND KSDL TAFS. SCT-BKN CLOUD LAYERS TO MOVE BACK INTO THE GREATER PHX AREA DURING THE LATE MORNING/EARLY AFTERNOON HOURS ON MONDAY AS THE NEXT WEATHER SYSTEM APPROACHES FROM THE WEST...BUT WITH CIGS REMAINING MAINLY AOA 12K FEET.

SOUTHEAST CALIFORNIA/SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...

STRONG AND GUSTY SFC WINDS TO CONTINUE THROUGH THE EARLY EVENING HOURS...WITH SUSTAINED WINDS IN THE 18-28 KNOT RANGE...WITH GUSTS AS HIGH AS 40 KNOTS...WITH AREAS OF BLOWING DUST POSSIBLE. WINDS WILL THEN SLOWLY DIMINISH DURING THE OVERNIGHT HOURS TONIGHT AND ON MONDAY MORNING...WITH SUSTAINED SPEEDS BRIEFLY FALLING AS LOW AS 10-

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201603062042>

2/3

FIGURE A-12

AREA FORECAST DISCUSSION SAN DIEGO MARCH 6, 2016 – Pg2

5/11/2017

IEM :: AFD from NWS PSR

12 KTS AT KIPL AND 6-8 KTS AT KBLH BEFORE RAMPING UP AGAIN ON MONDAY AFTERNOON. MAINLY CLEAR SKIES TONIGHT TO GIVE WAY TO BKN-OVC CTGS WITH BASES AROUND 12K FEET DURING THE DAY ON MONDAY...WITH SCATTERED SHOWERS AND FEW SCT CLOUD LAYERS AS LOW AS 5K FEET MOVING INTO THE REGION ON MONDAY AFTERNOON.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFs.

&&

.FIRE WEATHER...
TUESDAY THROUGH SATURDAY... A LARGE AREA OF LOW PRESSURE WILL DIVE TOWARDS THE SOUTHEAST AND INTO NORTHWEST MEXICO TUESDAY...WITH STRONG GUSTY NORTHWEST WINDS DEVELOPING ACROSS MUCH OF SOUTHWEST ARIZONA AND SOUTHEAST CALIFORNIA BEHIND THE EXITING LOW. HIGH TEMPERATURES WILL REMAIN A BIT ON THE COOL SIDE...MOSTLY IN THE 70S...AND THERE WILL BE A LINGERING CHANCE OF SHOWERS FROM PHOENIX EAST...MAINLY DURING THE MORNING HOURS. HUMIDITIES WILL DROP WITH MANY OF THE LOWER DESERTS FALLING BELOW 15 PERCENT. HIGH PRESSURE WILL BUILD OVER THE AREA WEDNESDAY INTO FRIDAY LEADING TO A WARMING TREND ALONG WITH CONTINUED DRYING AND MUCH LESS WIND. BY THURSDAY MOST OF THE LOWER DESERTS WILL SEE MINIMUM RH VALUES AT OR BELOW 10 PERCENT ALTHOUGH HUMIDITIES MAY RISE A FEW PERCENT FRIDAY. IT WILL BECOME BREEZY FRIDAY AFTERNOON...ESPECIALLY OVER SOUTHEAST CALIFORNIA...AS A STRONG AREA OF LOW PRESSURE DEVELOPS ALONG THE CALIFORNIA COAST. AS THE LOW WEAKENS AND MOVES INLAND SATURDAY A COOLING TREND WILL DEVELOP ALONG WITH A CONTINUED GRADUAL RISE IN MINIMUM RH LEVELS. IT WILL STAY BREEZY FROM THE SOUTHWEST ACROSS MUCH OF THE LOWER DESERT.

&&

.SPOTTER INFORMATION STATEMENT...
SPOTTERS ARE ENCOURAGED TO REPORT BASED ON STANDARD OPERATING PROCEDURES.

&&

.PSR MATCHES/WARNINGS/ADVISORIES...
AZ...BLOWING DUST ADVISORY UNTIL 9 PM MST THIS EVENING FOR AZZ020-021-025-026.

MIND ADVISORY UNTIL 9 PM MST THIS EVENING FOR AZZ020-021-025-026.

CA...BLOWING DUST ADVISORY UNTIL 8 PM PST THIS EVENING FOR CAZ031-033.

MIND ADVISORY UNTIL 8 PM PST THIS EVENING FOR CAZ030-033.

&&

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...IHIGUEZ
AVIATION...PERCHA
FIRE WEATHER...CB

Fig A-12: Phoenix NWS office issued an Area Forecast Discussion at 12:42 pm on March 6, 2016. Iowa State University, Iowa Environmental Mesonet: <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDPSR&e=201603062042>

FIGURE A-13

URGENT WEATHER MESSAGE PHOENIX AZ MARCH 6, 2016

5/11/2017

IEM :: NPW from NWS PSR

National Weather Service Raw Text Product

Displaying AFOS PIL: **NPWPSR** Received: 2016-03-07 02:21 UTC[← Previous in Time](#)[View All KPSR Products for 07 Mar 2016](#)[Next in Time →](#)[Latest Product](#)[View As Image](#)

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895
WAUS75 KPSR 070221
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
721 PM MST SUN MAR 6 2016

AZZ020-021-025-026-CAZ031>033-070330-
/O.CAN.KPSR.DU.Y.0003.000000T0000Z-160307T0400Z/
/O.CAN.KPSR.MI.Y.0002.000000T0000Z-160307T0400Z/
LOWER COLORADO RIVER VALLEY AZ-WEST CENTRAL DESERTS-
YUMA/MARTINEZ LAKE AND VICINITY-SOUTHWEST DESERTS-
LOWER COLORADO RIVER VALLEY CA-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...BOUSE...
QUARTZSITE...SALOME...FORTUNA FOOTHILLS...SAN LUIS...SOMERTON...
YUMA...DATELAND...TACNA...MELLTON...BLYTHE...CHIRIACO SUMMIT...
DESERT CENTER...EAGLE MOUNTAIN...BRANLEY...CALEXICO...EL CENTRO...
GLAMIS...IMPERIAL...THE SALTON SEA
721 PM MST SUN MAR 6 2016 /621 PM PST SUN MAR 6 2016/

...BLOWING DUST ADVISORY IS CANCELLED...
...WIND ADVISORY IS CANCELLED...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS CANCELLED THE BLOWING
DUST ADVISORY. THE WIND ADVISORY HAS BEEN CANCELLED.

WIND SPEEDS WERE RAPIDLY DECREASING THIS EVENING...AND BLOWING DUST
NO LONGER A PROBLEM FOR AREA MOTORISTS.

$$

CAZ030-070330-
/O.CAN.KPSR.MI.Y.0002.000000T0000Z-160307T0400Z/
JOSHUA TREE NATIONAL PARK-
INCLUDING THE CITIES OF...COTTONWOOD VISITOR CENTER...KEYS VIEW...
LOST HORSE
621 PM PST SUN MAR 6 2016

...WIND ADVISORY IS CANCELLED...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS CANCELLED THE WIND
ADVISORY.

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Enter search term

Fig A-13: Phoenix NWS office issued an Urgent Weather Message at 6:21 pm on March 6, 2016. Iowa State University, Iowa Environmental Mesonet:

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWPSR&e=201603070221>

FIGURE A-14

ZONE FORECAST FOR IMPERIAL COUNTY

TO 30 MPH...BECOMING 35 MPH IN THE AFTERNOON.
 .TUESDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOMS 49 TO 57. AREAS OF WINDS NORTH 15 MPH. GUSTS TO 30 MPH.
 .WEDNESDAY...MOSTLY SUNNY IN THE MORNING...BECOMING PARTLY CLOUDY. HIGHS 78 TO 83.
 .WEDNESDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING MOSTLY CLEAR. LOMS 53 TO 62.
 .THURSDAY...MOSTLY SUNNY IN THE MORNING...BECOMING PARTLY CLOUDY. HIGHS 80 TO 85.
 .THURSDAY NIGHT...PARTLY CLOUDY. LOMS 57 TO 64.
 .FRIDAY...PARTLY CLOUDY. HIGHS 78 TO 83.
 .FRIDAY NIGHT...PARTLY CLOUDY. SLIGHT CHANCE OF RAIN OVERNIGHT. LOMS 53 TO 58.
 .SATURDAY...PARTLY CLOUDY. SLIGHT CHANCE OF RAIN IN THE MORNING. HIGHS 75 TO 80.
 .SATURDAY NIGHT...PARTLY CLOUDY. LOMS 53 TO 60.
 .SUNDAY...PARTLY CLOUDY. HIGHS 76 TO 81.

\$\$

CAZ061-071215-
 COACHELLA VALLEY-
 200 PM PST SUN MAR 6 2016

...MIND ADVISORY IN EFFECT UNTIL 3 AM PST MONDAY...

.TONIGHT...MOSTLY CLEAR. AREAS OF BLOWING SAND AND BLOWING DUST IN THE EVENING. LOCAL VISIBILITY ONE QUARTER MILE OR LESS AT TIMES IN THE EVENING. COOLER. LOMS 47 TO 52. AREAS OF WINDS NORTHWEST 20 TO 30 MPH. GUSTS TO 50 MPH...BECOMING 40 MPH OVERNIGHT.
 .MONDAY...PARTLY CLOUDY IN THE MORNING...THEN MOSTLY CLOUDY WITH SHOWERS LIKELY IN THE AFTERNOON. HIGHS 63 TO 68. AREAS OF WINDS WEST 15 TO 20 MPH. GUSTS TO 35 MPH. CHANCE OF MEASURABLE PRECIPITATION 70 PERCENT.
 .MONDAY NIGHT...MOSTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS IN THE EVENING...THEN PARTLY CLOUDY OVERNIGHT. LOMS 42 TO 47. AREAS OF WINDS NORTHWEST 15 MPH. GUSTS TO 30 MPH. CHANCE OF MEASURABLE PRECIPITATION 20 PERCENT.
 .TUESDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY. WARMER. HIGHS 77 TO 82. AREAS OF WINDS NORTH 15 TO 20 MPH. GUSTS TO 40 MPH.
 .TUESDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOMS 45 TO 54. AREAS OF WINDS NORTHWEST 15 TO 20 MPH. GUSTS TO 30 MPH...BECOMING 35 MPH OVERNIGHT.
 .WEDNESDAY...MOSTLY SUNNY IN THE MORNING...BECOMING PARTLY CLOUDY. HIGHS 81 TO 86.
 .WEDNESDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING MOSTLY CLEAR. LOMS 49 TO 59.
 .THURSDAY...MOSTLY SUNNY IN THE MORNING...BECOMING PARTLY CLOUDY. HIGHS 84 TO 89.
 .THURSDAY NIGHT...PARTLY CLOUDY. LOMS 52 TO 62.
 .FRIDAY...PARTLY CLOUDY. HIGHS 82 TO 87.
 .FRIDAY NIGHT...PARTLY CLOUDY. LOMS 51 TO 57.
 .SATURDAY...PARTLY CLOUDY. HIGHS 80 TO 85.
 .SATURDAY NIGHT...PARTLY CLOUDY. LOMS 48 TO 58.
 .SUNDAY...PARTLY CLOUDY. HIGHS AROUND 84.

\$\$

CAZ062-071215-
 SAN DIEGO COUNTY DESERTS-
 200 PM PST SUN MAR 6 2016

...MIND ADVISORY IN EFFECT UNTIL 3 AM PST MONDAY...

.TONIGHT...MOSTLY CLEAR. AREAS OF BLOWING SAND AND BLOWING DUST IN THE EVENING. LOCAL VISIBILITY ONE QUARTER MILE OR LESS AT TIMES IN THE EVENING. COLDER. LOMS 44 TO 49. AREAS OF WINDS WEST 25 TO 35 MPH WITH GUSTS TO 50 MPH...BECOMING 15 TO 25 MPH WITH GUSTS TO 40 MPH OVERNIGHT.
 .MONDAY...PARTLY CLOUDY IN THE MORNING...THEN MOSTLY CLOUDY WITH SHOWERS LIKELY IN THE AFTERNOON. HIGHS 57 TO 62. AREAS OF WINDS WEST 15 TO 25 MPH. GUSTS TO 40 MPH...BECOMING 45 MPH IN THE AFTERNOON. CHANCE OF MEASURABLE PRECIPITATION 70 PERCENT.
 .MONDAY NIGHT...MOSTLY CLOUDY WITH A CHANCE OF SHOWERS IN THE EVENING...THEN PARTLY CLOUDY WITH A SLIGHT CHANCE OF SHOWERS OVERNIGHT. LOMS 39 TO 45. AREAS OF WINDS WEST 15 TO 25 MPH. GUSTS TO 40 MPH...BECOMING 30 MPH OVERNIGHT. CHANCE OF MEASURABLE PRECIPITATION 40 PERCENT.

Fig A-14: A Zone Forecast for the San Diego deserts reiterated the Wind Advisory that was already in effect and the strong possibility of blowing dust or sand. This area was immediately upstream to Imperial County. Source: Iowa Environmental Mesonet:

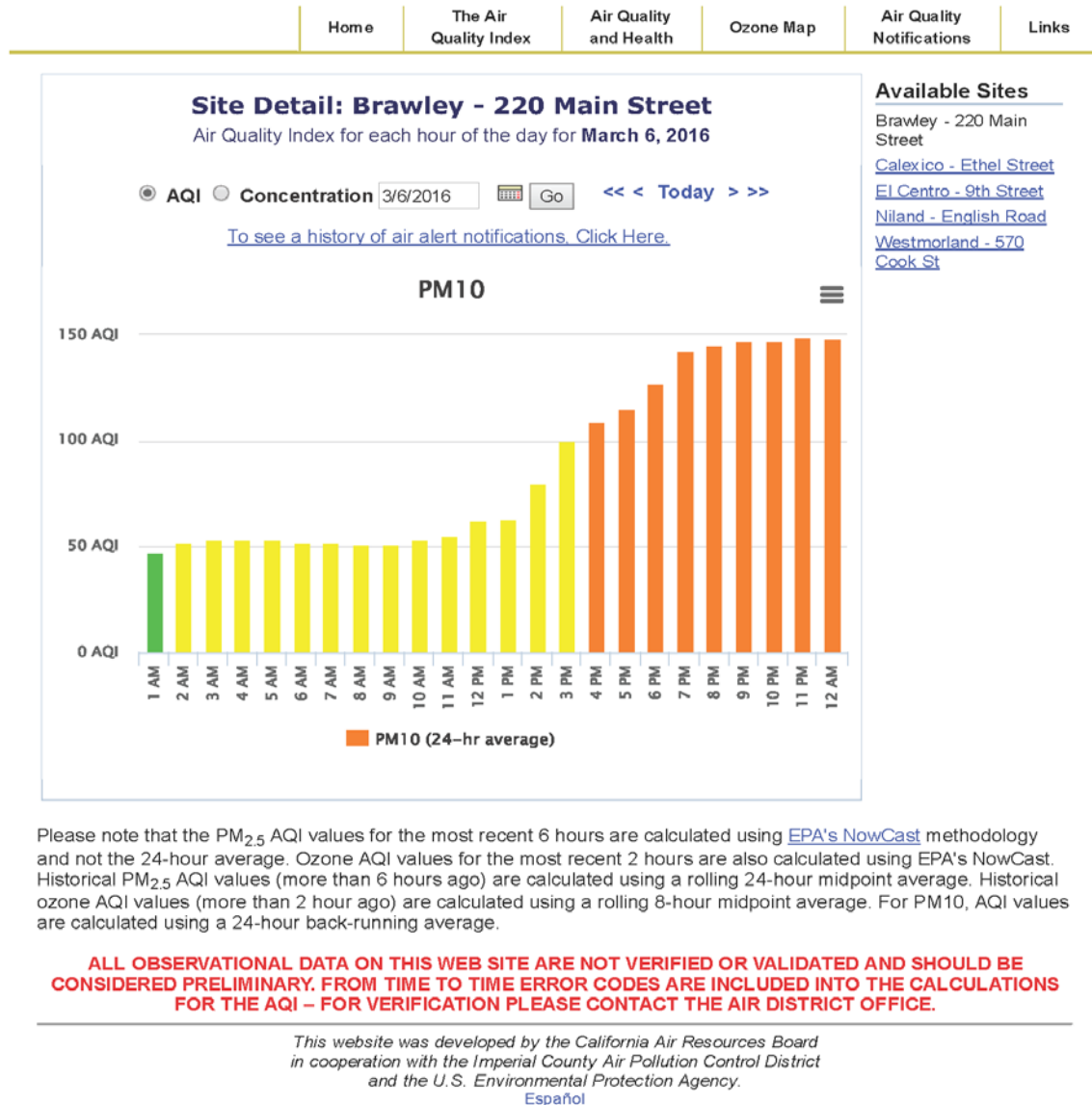
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201603062200>

FIGURE A-15
IMPERIAL VALLEY AIR QUALITY – BRAWLEY SITE, MARCH 6, 2016

5/11/2017

Imperial Valley Air Quality

Imperial Valley Air Quality



<http://www.imperialvalleyair.org/site.cfm?site=7765&date=03/06/2016>

1/1

Fig A-15: Screenshot of Imperial Valley Air Quality for Brawley on March 6, 2016.

Source: <http://www.imperialvalleyair.org/site.cfm?site=7765&date=03/06/2016>

FIGURE A-16
STRONG WINDS DEVELOP ACROSS SOUTHEASTERN CALIFORNIA

Weather Story

Click image below for larger version



Fig A-16: A Weather Story issued on the morning of March 6, 2016 forecasted a strong Pacific weather system would bring strong winds across the region with gusts up to 45 mph or higher. Southeastern California was expected to receive the highest winds. Source: NWS Phoenix office

FIGURE A-17
WIND ADVISORY FOR A WIDE REGION

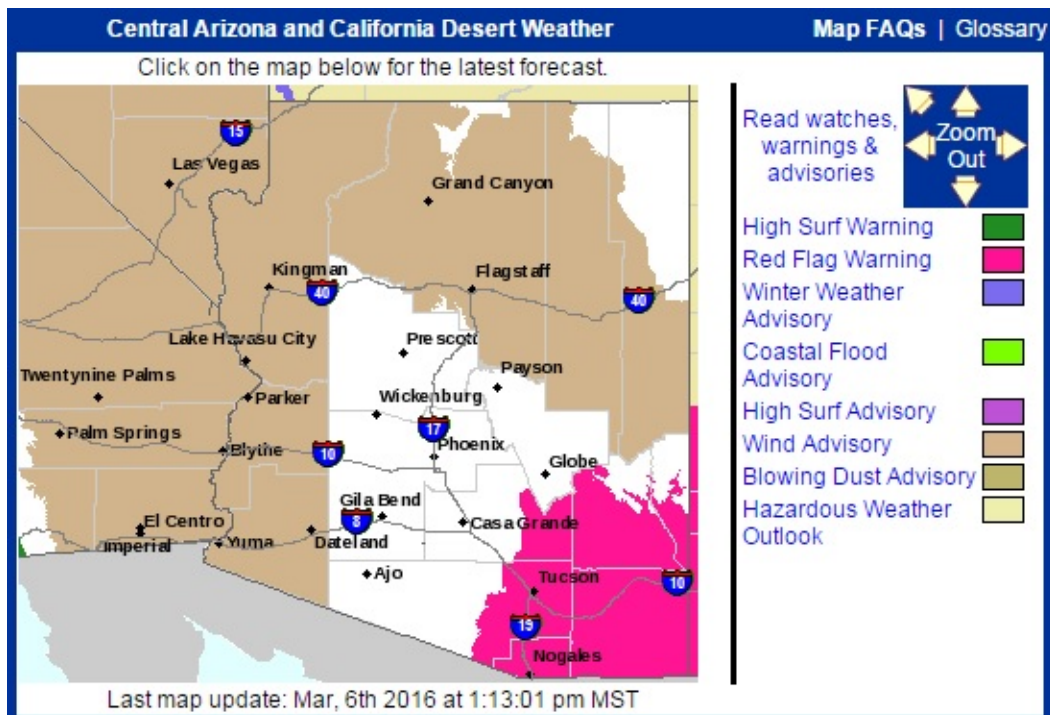


Fig A-17: The map illustrates the wide region covered by the wind advisories issued by the San Diego NWS. The San Diego NWS office forecasted strong winds associated with the weather system. Source: NWS Phoenix office

FIGURE A-18

BLOWING DUST IDENTIFIED OVER SOUTHEASTERN CALIFORNIA

5/11/2017

Smoke Text Product - Satellite Services Division

Sunday, March 6, 2016DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0300Z March 7, 2016

SMOKE...

Central and South Central US/Southeastern US:

Fires were not nearly as numerous as yesterday though fires were still detected scattered across a similar area over the Central and South Central region and across the Gulf Coast states. Visible smoke seen in satellite imagery was also less than yesterday though cloudiness passing over the Central and South Central US likely interfered in additional smoke detection especially in those areas.

BLOWING DUST...

Southern California/Far Southern Nevada/Western Arizona:

Gusty westerly winds over Southern and Southeastern California kicked up blowing dust from a number of different point sources which became visible around 20Z and continued through sunset. Some of the blowing dust consolidated into a thin to moderately dense north-south oriented band which moved east affecting far southern Nevada and western Arizona in addition to southeastern California.

JS

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE..TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>GIS: <http://www.firedetect.noaa.gov/viewer.htm>KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Unless otherwise indicated:

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.
- A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.
- Widespread cloudiness may prevent the detection of smoke even from significant fires.

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2016/2016C070350.html>

1/1

Fig A-18: Blowing dust was identified over southeastern California on March 6, 2016. The effective time was up through 1900 PST. Source:

<http://www.ssd.noaa.gov/PS/FIRE/smoke.html>

FIGURE A-19
WIND & DUST ADVISORY FOR THE DESERT SOUTHWEST



Dust and Wind Advisory for the Desert Southwest



(/wp-content/uploads/2016/03/weather-pic2.jpg)

PHOENIX – The National Weather Service in Phoenix has issued a dust and wind advisory for Yuma County and Imperial County until 9/8 Pacific this evening.

Winds are ranging from 20 to 30 mph with gusts of wind of 40 to 45 mph. With these heavy winds brings a lot of dust in the air creating low visibility when outside. The National Weather Service reports visibility below one mile and in some areas less than a quarter mile of visibility because of the dust in the air.

For those traveling, all major interstates and highways have heavy winds and low visibility so use extra caution when driving and be ready for sudden drops in visibility. The National Weather Service encourages anyone who encounters blowing dust or blowing sand on the roadway or see it approaching to pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Fig A-19: Local news channels carried the Wind and Dust Advisories issued by the NWS warning of high winds and blowing dust. Source: KYMA KSWT KECY News; <http://www.kyma.com/dust-and-wind-advisory-for-the-desert-southwest/> [3/8/2016 8:18:41 AM]

FIGURE A-20
ONLINE NEWS REPORT FOR WINTER STORM, SAN DIEGO EAST COUNTY

9/25/2017

WINTER STORM BRINGS SEVERE THUNDERSTORMS, SNOW TO REGION | East County Magazine





EAST COUNTY MAGAZINE

"Award-winning nonprofit media in the public interest, serving San Diego's inland region"

Monday, September 25, 2017

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WINTER STORM BRINGS SEVERE THUNDERSTORMS, SNOW TO REGION

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[San Diego weather](#)



East County News Service

March 7, 2016 (San Diego's East County)--A strong line of thunderstorms will continue across the area this morning. Brief, heavy downpours, dangerous lightning, gusty winds, small hail and slick roads are expected this morning. The snow level could drop to 4,000 feet tonight, with several inches of snow above 4,500 feet.

There is also a special marine warning that includes all coastal waters in San Diego County due to severe thunderstorms. Boaters are advised to move to shore until the storm passes.

Remember to never drive across flooded roadways, and go indoors when there is lightning in your area.

Sign up to receive free East County Wildfire & Emergency Alerts via email at the top right side of our homepage and you can also receive a free copy of our weekly newsletter. You can also follow EastCountyAlert on Twitter for brief text alerts on your mobile phone. We recommend all of the above, since you can't know which form of communication will work best in a regional emergency.

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East County Wildfire & Emergency Alerts




Thanks to our generous sponsors:




<https://www.eastcountymagazine.org/winter-storm-brings-severe-thunderstorms-snow-region>

1/4

Fig A-20: Online news story reporting winter thunderstorms for San Diego East County,
 Source:

<https://www.eastcountymagazine.org/winter-storm-brings-severe-thunderstorms-snow-region>

FIGURE A-21

ONLINE NEWS REPORT FOR WINTER STORM #2, SAN DIEGO COUNTY

9/25/2017

Second Wave of Winter Storm Heading for San Diego - Times of San Diego

9/25/2017 Second Wave of Winter Storm Heading for San Diego - Times of San Diego

TIMES of SAN DIEGO

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Second Wave of Winter Storm Heading for San Diego

POSTED BY CASSIA POLLOCK ON MARCH 6, 2016 IN LIFE | 204 VIEWS | 0 COMMENTS | [LEAVE A COMMENT](#)

Share This Article:

Created by: National Weather Service San Diego, CA

0 10 20 40 Miles

Rainfall for Saturday night through Sunday morning. Photo Credit: NWS

More rain was heading toward San Diego County later Sunday evening or early Monday in the second of a one-two punch of cold, windy, winter storms to hit the area, according to the [National Weather Service](#).

Oceanside recorded .67 inches of rain from the early morning storm, which came after midnight and went by dawn.

Palomar Mountain had .87 inches of rain, Julian had a third of an inch of rain, and Mt. Laguna had only .08 inches.

In the city, .12 inches fell at Lindbergh Field and .17 inches in Chula Vista. A wind advisory was expected to remain in effect until Monday afternoon, with an occasional gust of 70 mph possible in some mountain passes.

The next storm was expected to bring heavier rains and snow down to the 5,000-foot elevation, or maybe even lower. Warm, dry conditions were expected to return by midweek.

— City News Service

SECOND WAVE OF WINTER STORM HEADING FOR SAN DIEGO was last modified: March 7th, 2016 by Cassia Pollock

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\$2.67 lb

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<https://timesofsandiego.com/life/2016/03/06/34230/>

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Fig A-21: Online news story reporting winter thunderstorms for San Diego County, Source: <https://timesofsandiego.com/life/2016/03/06/34230/>

**FIGURE A-22
WESTMORLAND AIR QUALITY ALERT**

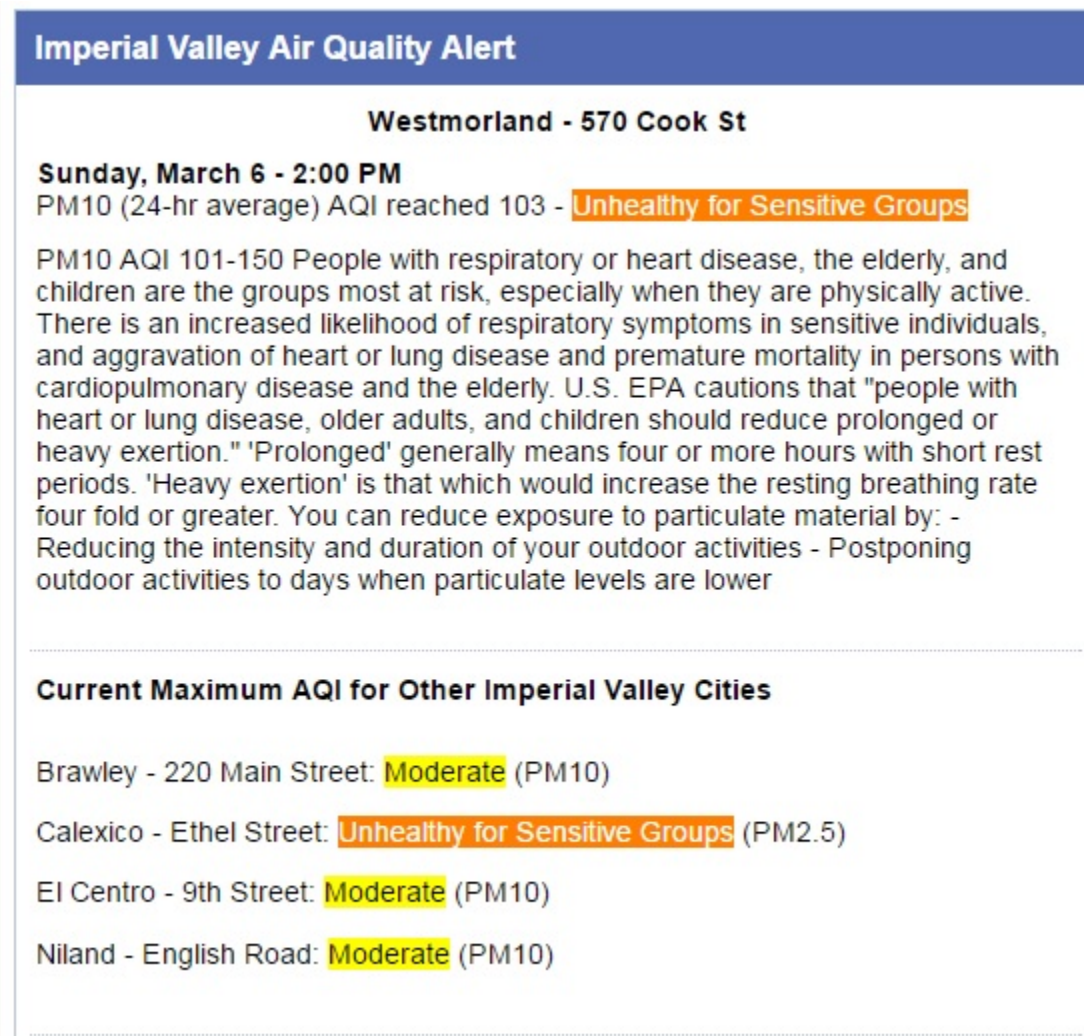


Fig A-22: The dust lofted by winds on March 6, 2016 was so substantial that it caused an Air Quality Alert to be issued. Source: ICAPCD archives

FIGURE A-23
AIR QUALITY INDEX

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig A-23: The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health .Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source:

<https://airnow.gov/index.cfm?action=aqibasics.aqi>

FIGURE A-24
IMPERIAL COUNTY ISSUED NO BURN DAY

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: **Sunday March 06 2016**

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	62	SE 3	10
8 AM	68	SSE 7	10
9 AM	70	S 5	10
10 AM	75	E 5	10
11 AM	77	E 8	10
NOON	79	E 8	10
1 PM	81	E 6	10
2 PM	83	ENE 7	10
3 PM	82	E 6	10
4 PM	82	SE 8	10
5 PM	81	SE 6	10
6 PM	78	SSW 5	10
7 PM	78	SW 6	10
Max. Temperature yesterday was 83 degrees			

Today's Mt. Signal Visibility at 7:30 AM YES NKX 12Z 500 MB Height _____

1Y7 12Z 500 MB Height _____

Forecasts

High Today 77

Local Forecast
(Issued 8 AM Local)

Computer Forecast
(RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet _____

10:00

Forecast of Maximum Mixing Height _____

feet

5,900

feet

Forecast for Morning surface winds _____

W 10-20

mph

W 10-20

mph

Forecast for afternoon surface winds _____

W 20-35 G45

mph

W 20-35 G45

mph

Forecast for evening surface winds _____

W 20-30 G40

mph

Forecast 10 AM - 3 PM transport winds _____

W 25

mph

Comments/Complaints: _____

Burn Hours _____ ARB No Burn Day _____ **District called No Burn Day YES**

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011

Int MC

Fig A-24: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on March 6, 2016

FIGURE A-25
IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

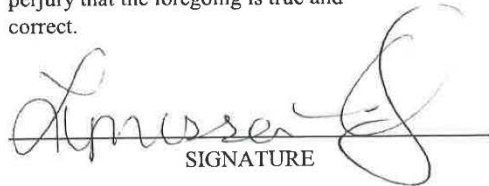
Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

01/10.

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.


 SIGNATURE

Name of Account: I C AIR POLLUTION
 CONTROL
 Order Number: 11136200
 Ad Number: 31356303

* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 10 th day of January, 2018.
 at El Centro, California.

This space is for the County Clerk's Filing Stamp:

**NOTICE OF AVAILABILITY
 OF THE DEMONSTRATION OF THE OCCURRENCE
 OF 13 EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared 13 Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) represent the 13 Draft EE's.

2014	2016	2016
April 12-13 Niland Brawley	March 6 Brawley Westmorland	April 22 Westmorland Brawley
FEM 167.5 ug/m ³ FEM 166.8 ug/m ³	FEM 237 ug/m ³ FEM 220 ug/m ³	FEM 192 ug/m ³ FEM 242 ug/m ³
April 25-26 Brawley Brawley	March 11 Brawley Westmorland	April 24-25 Brawley Brawley Westmorland Brawley Calexico Niland Westmorland
FEM 183.4 ug/m ³ FEM 313.3 ug/m ³	FEM 178 ug/m ³ FEM 179 ug/m ³	FEM 186 ug/m ³ FEM 218 ug/m ³ FEM 177 ug/m ³ FEM 285 ug/m ³ FEM 173 ug/m ³ FEM 225 ug/m ³ FEM 244 ug/m ³
May 5-6 Brawley Brawley Westmorland Brawley	March 28 Brawley El Centro Niland Westmorland	May 5 Brawley Niland Westmorland
FRM 269 ug/m ³ FEM 222.5 ug/m ³ FEM 373 ug/m ³ FEM 439.3 ug/m ³	FEM 334 ug/m ³ FEM 385 ug/m ³ FEM 334 ug/m ³ FEM 465 ug/m ³	FEM 163 ug/m ³ FEM 172 ug/m ³ FEM 227 ug/m ³
May 11 Niland	April 14 Niland Westmorland Brawley	May 15 Niland
FEM 172.8 ug/m ³	FEM 172.8 ug/m ³ FEM 163 ug/m ³ FEM 228 ug/m ³	FEM 216 ug/m ³
June 30 Niland		
FEM 183.7 ug/m ³		

The public and all interested parties are encouraged to review and comment on the 13 Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014, 2015 and 2016 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting Riverside, Imperial and San Diego counties. The 13 Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is February 12, 2018 by close of business.

The 13 Draft EE's for days listed above are available for download at the Air District website: www.co.imperial.ca.us, under "Air Pollution". To view a hard copy of any of the 13 Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

L673 J10

Fig A-25: Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for March 6, 2016. The date for closing comments was February 12, 2018

FIGURE A-27
IMPERIAL COUNTY COMMENTS
REGARDING THE MARCH 6, 2016 EE DEMONSTRATIONS

The ICAPCD received no comment